

AUTOGALL

The Official Journal of the Foundation For Amateur Radio, Inc.

MAY 1995



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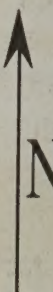
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Regional Hamfests and Other Events

Apr. 28-30	Dayton Hamvention, Dayton, OH.
May 7	Warminster ARC, Wrightstown, PA.
May 13	Practical PC & Hamfest, Springfield, VA (703) 321-3003
May 14	Roanoke Valley Hamfest, Vinton (Roanoke) VA.
May 14	Great Hagerstown MD. Hamfest, Hagerstown, MD (301) 416-8079
May 19-21	ARRL Atlantic Division Conference & Hamfest, Rochester, NY
May 20	Lancaster County Hamfest & Computers, Ephrata, PA (717) 336-2514
May 28	Maryland FM Association Hamfest, Howard Co. Fairgrounds (301) 249-6147
June 3	Rome Radio Club Hamfest, Rome, NY
June 4	Tamaqua Area SB ARA & Anthracite Repeater Association, Tamaqua, PA
June 11	Central PA Hamfest, Winfield, PA
June 11	Lancaster ARC Hamfest, Lancaster, NY
June 17	Skyline Amateur Radio Club Cortland Hamfest, Cortland, NY (607) 756-6550
June 18	Frederick ARC Father's Day Hamfest, Walkersville, MD (301) 695-2633
July 2	Wilkes-Barre Murgas ARC Hamfest, Lehman, PA (717) 824-5724
July 4	HRAC Hamfest/Computer Show, Harrisburg, PA (717) 232-6087
July 9	BRATS Maryland Hamfest & Computer Fest, Timonium, MD (410) 467-4634
July 22	Jonestown Mt. Repeater Hamfest, Huntington Mills, PA
July 29	Columbia-Montour ARC Hamfest, Berwick, PA
August 5	Jefferson County ARC Hamfest, Clayton, NY
August 6	Mid-Atlantic Amateur Radio Club Hamfest 95, Warrington, PA (215) 624-4034
August 6	Shenandoah Valley ARC Winchester Hamfest, Berryville, VA (703) 955-1745
August 13	SARA Carroll County Computer & Hamfest, Westminster, MD (410) 859-1475
August 13	Del Lehigh ARC Hamfest, Easton, PA
Sept. 9	Radio Association of Erie Hamfest, Erie, PA
Sept. 10	Butler County ARA Hamfest, Butler, PA
Sept. 10	F.A.R. FEST, Gaithersburg, MD (details in an upcoming issue of <i>AutoCall</i>)



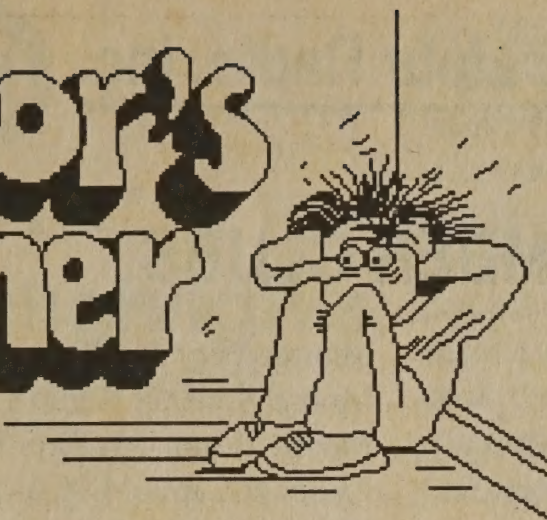
(photo by Barbara White/N3OBU)

On The Cover

Pictured on this month's cover of *Auto Call*, is John Watson, KC3Y. Better known to his friends as "Buck", he has long been an active member of the Anne Arundel Radio Club (AARC). Buck is currently the Trustee for AARC and is the Trustee for the club's station call, W3VPR. Buck is also known as one of the founding fathers and the current manager of the Maryland Slow Net which is held every evening at 7:30 p.m. on 3.717 MHz.

Editor's Corner

By John Queen
KAØSEY



As you thumb through the pages of this month's *AutoCall*, you may have noticed something a little different. And if you looked at the fine print on page 3, you may have even noticed a different editor. Yes, the editorial baton has been passed commencing with this issue. (Not the last issue as you may have been led to believe. Credit must be given where credit is due, and the April issue was done entirely by Doug Allen. Thank you Doug.)

So who is this new editor, and what is he doing with your *AutoCall*? Well, by way of introduction, my name is John Queen / KAØSEY. I've been a ham for just over 10 years, and was originally licensed in Topeka, Kansas. I reside with my significant other, Katherine / N3PXX, who is the Editor of *The Ham Arundel News*. We are both members of the Anne Arundel Radio Club.

When I'm not spending countless hours in front of my computer screen at night preparing *AutoCall*, I'm spending countless hours in front of my computer screen during the day as the Microcomputer Maintenance Manager for a federal government agency. Yes, you guessed it. I'm a computer geek. I confess. A federal computer geek at that! And if that's not enough to keep me busy, I'm also an officer in the Coast Guard Reserve.

So when the Foundation for Amateur Radio offered me the job of Editor, I had to carefully weigh my love for the remaining free time I have against my love for publishing and ham radio. Well good-bye spare time, helloooo fellow hams!

When I sat down and began preparing this issue, I began thinking about what I would, should, or could do to improve *AutoCall*, yet retain the time honored tradition of providing timely news, events, and schedules to Washington and Baltimore area amateur radio operators. (After all, isn't improvement the quest for any new editor?) Perhaps a different look, a different style, or a different format. I hope you like what you find in this issue.

In the club section of the magazine, you may have noticed that little antenna icons appear next to each club name. In time, I would like to replace these antennas with your club logo. So, if your club would like a little additional recognition, please send me a clean black and white copy of your club logo with your next club article.

Please keep in mind that the deadline for all submissions has been changed from the 5th day of the month to the 1st day of the month. Your submissions can be in any format - - computer disks, posted on the MRC BBS, type written, or scribbled on a rock. (However, I reserve the right to reject small pebbles). You can also contact me on the Internet at JohnQueen@AOL.com, or America On Line at screen name JohnQueen.

In the coming months, I look forward to receiving your comments and suggestions for improving this publication. After all, *AutoCall* is your magazine - - I am merely the caretaker.

73's, de KAØSEY / John



MEMBER CLUBS

- | | |
|---|---|
| Adams County Amateur Radio Society | Montgomery Auxiliary Communications Service |
| Alexandria Radio Club | Moose Amateur Radio Club |
| Amateur Radio Research and Develop. Corp. | Mount Vernon Amateur Radio Club |
| AMSAT - Radio Amateur Satellite Corporation | National Capitol DX Association |
| Anne Arundel Radio Club | Naval Research Laboratory Radio Club |
| Antietam Radio Association, Inc. | NOAA Amateur Radio Club |
| ARINC Amateur Radio Club | North Point FM Association |
| Arlington Amateur Radio Club | Northern Virginia FM Association |
| Baltimore Amateur Radio Club | Northern Virginia Radio Club |
| Baltimore Radio Amateur Television Society | Ole Virginia Hams Amateur Radio Club |
| Capital City Amateur Radio Society | Opequon Radio Society |
| Capital Hill Amateur Radio Society | Pentagon Amateur Radio Club |
| Carroll County Amateur Radio Club | Potomac Area VHF Society |
| Central Maryland Amateur Radio Club | Potomac Valley Radio Club |
| Chaverim of the Greater Washington Area | Prince George's Wireless Association, Inc. |
| Columbia Amateur Radio Association | Prince George's County ARES/RACES |
| Culpeper Amateur Radio Association | Quarter Century Wireless Association, Inc. |
| D-MARC - Digital Mid-Atlantic Radio Council | Baltimore Chapter #20 |
| Department of State Amateur Radio Club | Del-Mar-VA Chapter #150 |
| Fauquier Amateur Radio Association | Shenandoah Valley Chapter #137 |
| Frederick Amateur Radio Club | Vic Clark Chapter #91 |
| Frederick Amateur Repeater Group | Washington Chapter #23 |
| Friendship Amateur Radio Club | Rock Creek Amateur Radio Association |
| Goddard Amateur Radio Club | St. Mary's County Amateur Radio Association |
| Green Mountain Repeater Association | Shenandoah Valley Amateur Radio Club |
| Herndon Repeater Group | Southern Maryland Amateur Radio Club |
| IBM Amateur Radio Club | Southern Patuxent Amateur Radio Club |
| Johns Hopkins University APL ARC | Springfield Estates Elementary School-ARC |
| Laurel Amateur Radio Club | Stafford Amateur Radio Assn. |
| Leisure World Amateur Radio Club | Sterling Park Amateur Radio Club |
| MD/DC MARS (Navy Marine) Association | Summit Amateur Radio Association |
| MADRAS | Tri-County Amateur Radio Club |
| Maryland Emergency Phone Net | T-MARC, Middle Atlantic Repeater Council |
| Maryland FM Association | Vienna Wireless Society |
| Maryland Mobileers Amateur Radio Club | Voice of America Amateur Radio Club |
| Mercury Amateur Radio Assn., NE Area | Waldorf Repeater Support Club |
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| Metrovision Amateur TV Club | Washington Area Young Ladies ARC |
| Mid-Atlantic DX & Repeater Assn. | Woodbridge Wireless, Inc. |
| Montgomery Amateur Radio Club | |



FCC Highlights

By Jack Kelleher.
W4ZC

Vanity Call Sign System

More information on this subject is in FCC Public Notice No. 52540, March 3, 1995, which is essentially a plain language elaboration on the information contained in the Report and Order issued on February 1st.

Among other things, it confirms that applicants for previously held calls are not bound by the class of license now held, e.g., a General class licensee may apply for a one-by-two call previously held by him or her or by a close relative and which is still available. The language for Gate 1 is as follows:

"Gate 1: Any class operator who is applying for:

A. The call sign that was previously shown in his or her primary station license, or

B. The call sign that was previously shown on the primary station license of a deceased spouse, child, grandchild, stepchild, parent, grandparent, stepparent, brother, sister, stepbrother, stepsister, aunt, uncle, niece, nephew, or in-law, or

C. The call sign that was previously shown on the club station license for which the applicant is currently the license trustee."

Applicants vs. Call areas: During the period leading to the Report and Order, some commenters recommended against any policy that would permit a licensee to apply for a call sign from any call

area block (other than that in which he now resides), or a call sign block dedicated to specific island and insular areas. In response the Commission said they decided not to impose that limitation because, among other things, the applicant's choice of vanity call signs would be reduced to ten percent or less of the call signs that would otherwise be assignable to the station. A limitation based upon the person's place of residence, moreover, could easily be circumvented by using a mailing address in another call sign region.

On March 3rd the ARRL filed a Petition for Reconsideration, requesting that the Commission revise this finding and require that the call sign requested by an applicant be from the call sign region of the then-current mailing address of the applicant.

ITU World Radiocommunication Conference 1995 (WRC 95)

The American Radio Relay League has submitted to the FCC its comments on the WRC that will take place this fall, and on other matters to be considered in later Conferences. (WRC-95 will be the first conference held under the ITU's new accelerated conference cycle to discuss substantive spectrum allocation and regulatory matters. WRC-95's agenda pertains primarily to the Mobile Satellite Service (MSS). Subsequent WRC's will occur every two years).

The League noted that certain MSS proponents have suggested that some spectrum allocations at 13 cm (2.4 GHz area) currently available to the amateur service, are candidates for MSS allocations. ARRL noted that they have regularly opposed the nomination of these bands as MSS candidates. They referred to the recent elevation of 2390-2400 and 2402-2417 MHz from secondary to primary allocation status in the United States, pursuant to the FCC conclusion that the best use of these bands in the U.S. was for amateur and Part 15 operation.

Referring to other UHF allocations having a potential for MSS allocations, ARRL said: "...any

additional MSS spectrum requirements can be satisfied in bands outside those allocated to the Amateur and Amateur Satellite Services..."

The League also addressed worldwide amateur allocations at 40 meters, saying "...an important goal of the League and the International Amateur Radio Union (IARU) is to create a worldwide allocation (to the amateur service) of not less than 300 kHz bandwidth around 7 MHz. Currently, the amateur allocation is 7000-7300 kHz in Region 2 and 7000-7100 kHz in Regions 1 and 3."

At WARC-92, the United States proposed the realignment of these bands to provide the Amateur Service a worldwide allocation of 6900-7200 kHz, and the Broadcasting Service an expanded worldwide allocation above 7200 kHz. It was not possible to accomplish this realignment at WARC-92, but Recommendation 718 was adopted by WARC-92 which called for a future competent conference to consider the possibility of aligning the allocations around 7 MHz.

ARRL said: "It is the League's considered assessment that this matter should not be placed on the agenda of a WRC prior to the year 2001. Considering it any earlier would likely defeat the entire purpose of the exercise, given the rate of migration from HF technology for fixed and mobile communications infrastructures of various countries to satellites and cable. Further, the HF broadcasting allocations have not been determined in that range". (Ed: Another factor favoring the League's position is the fact that there are more than 600 kHz allocated to the Maritime Mobile Service in the 8 MHz range, the need for which may be greatly diminished after the 1999 deadline for change over to GMDSS (Global Marine Distress Safety System). Most routine maritime operational and navigational traffic is already being handled via satellite systems).

Addressing the matter of an international amateur radio permit (IARP), the League said: "It was originally requested that the IARP be added as an agenda item for WRC-97. The concept was an international 'roaming' amateur license, by means

of which U.S. amateur licensees could travel to other countries, and other countries' amateurs could travel to the U.S. and operate amateur stations based on a combination of the amateur license of the visitor's home country and an endorsement based on an international licensing agreement. The U.S. has entered into ad-hoc bilateral agreements which permit such operation and the statutory basis for entry by the U.S. into multilateral agreements is in place..."

"The IARU, having gained support within Region 2 for an IARP, continues to urge the inclusion in the agenda for WRC-99 the issue of an international amateur radio permit".

Single-sideband HF Broadcasting

For years SSB has been advocated for HF broadcasting, to reduce the amount of spectrum required for the service, improve fidelity, and enhance power utilization. Those favoring the status quo aver that receivers are not readily available, are prohibitively expensive, and represent a very small fraction of the HF receiver market. ARRL's position is that, while SSB receivers may be more expensive than AM receivers, "that is not to say that they are prohibitively expensive. It has been well-established that there should be a phasing-out of AM DSB emissions in the HF bands allocated to the Broadcasting Service - - - The use of SSB instead of DSB modulation techniques would lead to improved spectrum utilization...." The issue is not whether SSB emissions should be required in light of new replacement technologies, but rather when DSB emissions should be terminated. The Amateur Service and most other radio services converted to SSB transmissions many years ago".

Amateurs Gain Limited Access to 219-220 MHz

According to The ARRL Letter for March 24, the FCC has allocated the 219-220 MHz band on a secondary basis to the Amateur Service for point-to-point fixed digital message forwarding systems. (The Primary occupant of the band is the Auto-

mated Maritime Telecommunications Systems [AMTS]). The allocation had been requested by ARRL as partial compensation for the loss of the 220-222 MHz band in 1991.

When the new rules take effect (a date has not yet been announced), Technicians and higher class amateur licensees will be permitted to use digital emissions of up to 100 kHz bandwidth, and no more than 50 watts PEP output.

To protect the primary occupant, the ARRL has been designated the national contact point for all amateur operations in the band, and is responsible for maintaining a database of all amateur operations in the band. All amateur stations will be required to notify the ARRL at least 30 days before initiating operations in the 219-220 MHz band.

Amateur stations within 50 miles of an AMTS coast station will be required to obtain written approval of the AMTS licensee before operating. Amateur stations within 398 miles of an AMTS coast station will be required to notify the AMTS

licensee in writing at least 30 days prior to initiation of operations. The ARRL will assist amateurs in fulfilling these requirements.

FCC and HF Monitoring

Also in The ARRL Letter for March 24, ARRL reports that the FCC is cutting back on its HF monitoring. Several field offices are in the process of closing, including Baltimore, Buffalo and Miami, and their functions are being transferred elsewhere. Other closings are not expected. The FCC is said to be converting all monitoring to remote control from Laurel, Maryland.

Morse Code

A discussion of the findings of the IARU's CW Ad Hoc Committee, and ORACLE's response to these findings, appears in the March 1st issue of The W5YI Report. The discussion is much too lengthy for inclusion here, but we wanted you to know of its existence.

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American Radio Relay League Report

By John Swafford,
W4HU

The ARRL Report provides a brief summary of information published in the ARRL Letter and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.

Long-range plan details aired

April QST has more details on the strategic long-range plan for the ARRL that was approved by the ARRL Board of Directors at its meeting in late January. Here are some of those details, as described by Executive Vice President David Sumner, K1ZZ, and Field Services Manager Rick Palm, K1CE, in QST.

Following the Board's approval of the plan at its annual meeting in January, ARRL President George S Wilson III, W4OYI, named three committees —Transition Management, Governance, and Volunteer Enhancement—to initiate implementation.

Four long range goal statements form the core of the adopted strategic plan.

Long range goals: the nucleus of the Plan

Consistent with the mission statement are four goals that will focus the League's efforts for the next five years, the time frame of the plan. These goals speak to:

- * The need for excellence in ARRL leadership;

- * Information, training, knowledge, and personal achievement programs;

- * Financial security and stability of the organization; and

- * Advocacy in the formation and implementation of national communication public policy.

Goal: ARRL as leader

The planning group defined several strategies to move toward this goal over the next several years, among them the committing of more resources to representation on the international front and increased participation in influential telecommunication advisory bodies.

The League also should increase communication with, and services and membership opportunities for, the growing number of amateurs who are outside the United States. More involvement with specialized Amateur Radio organizations and interest groups both in the US and abroad must be sought.

The Board also believes it is important to change the unfortunate and inaccurate perception that Technician class licensees are second-class or incomplete amateurs, and to convey the message to one and all that Amateur Radio is fun.

Changes may also be on the horizon for traditional field-based programs as the ARRL works to strengthen its ties to local amateur communities. Review of the Field Organization's mission and structure, including the Amateur Radio Emergency Service and the National Traffic System, will be handled by the new Volunteer Enhancement Committee.

Goal: Information, training, knowledge, achievement

To achieve this goal, the League will employ

new technologies to deliver information and will develop a sophisticated membership profile data base, a new marketing-oriented annual report format, a responsibility for membership development that is shared with volunteers, and better marketing of the League's goods and services generally,

You can expect to see surveys of members with respect to existing programs and future programs. Better information will allow for more knowledge-based program decisions.

The League's work force will be reviewed, including volunteers and committees as well as staff, to ensure their activities are linked directly to the strategic plan. Staffing will follow specific functions consistent with the plan. More staff resources will be devoted to advocacy, marketing, membership development and the application of technology.

We will better educate amateurs on the benefits of belonging to the League, and educate the public on the mission of Amateur Radio and the League. Staff and volunteer leaders will receive better orientation on their proper communication roles and responsibilities. Improved methods for gaining membership feed-back and closer ties with volunteer leadership will be effected. More media training will be provided to national and local-level volunteers.

Editor's Note: Because of limited space, only highlights of the long-range plan have been printed here. See the Mar 1 issue of the ARRL LETTER or QST for full details.

League Seeks Change in Vanity Call Plan

The ARRL has petitioned the FCC for partial reconsideration of one aspect of its proposed vanity call sign program.

The League has asked that the Commission require that amateurs requesting vanity call signs in eligibility "gates" other than Gate One specify

call sign choices in the call sign region of their then-current mailing address. (Gate One is for applicants for a previously held call sign or the call sign of a deceased relative.)

The League said that, reinforced by the comments of a number of amateurs, it believes that the history of call sign regions and the nature of Amateur Radio communication indicate that call sign regions should be retained for vanity call sign applicants. "Amateurs are in general most supportive of the use of call signs as a quick means of determining the general location of a station," the League said.

The League also said that, because some call sign regions would have fewer available call signs than others, allowing an "open field" would deplete the call sign pools in some regions, ultimately depriving some applicants who want a call sign in their own region the opportunity to obtain one. The ARRL cited in particular the limited call sign banks in Puerto Rico (KP4), Alaska (KL7), and Hawaii (KH6), as example.

The ARRL said that otherwise it fully supports the Commission's vanity call sign proposal, and that it believes sufficient time is available to consider the League's proposed change before the program begins, since Gate One would not be affected.

President George Wilson

* ARRL President George Wilson, W4OYI, as reported earlier, suffered a stroke on February 11 while in Washington DC, and was hospitalized in the Washington area. As of March 22 his condition had improved and doctors were preparing to transfer him to a transitional care facility near his hometown of Owensboro, Kentucky.

Repeater Directory

* The 1995-96 edition of The ARRL Repeater Directory will be available in late April and has nearly 20,000 listings, including Australia and European countries. Beacon listings have in-

creased by nearly 200 in this edition. Complete listings of frequency coordinators, ARRL committees and special service clubs also are included.

Amateur Killed

* Another amateur has been killed while erecting an antenna. The Dallas Morning News reported that on March 18, Ernest Rutledge, KC5CQR, of Keller, Texas, was helping a friend install an antenna in his backyard and was electrocuted. Safety first!

Amateur Author Publishes New Book

* Back for a return engagement at the Dayton Hamvention banquet is Cliff Stoll, K7TA, who wowed the Dayton crowd in 1993. Cliff, who was profiled in August, 1990 QST, became a best-selling author with the publication of his book the Cuckoo's Egg. Doubleday has just published Cliff's second book. Silicon Snake Oil, that debunks many Internet myths and, according to Cliff,

contains a number of references to his Amateur Radio career.

Using ARRL's Outgoing QSL Service

* Attention ARRL members making DXCC submissions or using the Outgoing QSL Service: No need to remove the mailing label from your QST as proof of membership. Make a photocopy of the label (or of your membership certificate or wallet card), or simply jot down your membership number on a separate piece of paper.

FCC Monitoring

* The FCC is cutting back on its HF monitoring, according to sources. Several field offices are in the process of closing, including those in Baltimore, Buffalo, and Miami, and their functions are being transferred else where. Other closings are not expected. The FCC is said to be converting all monitoring to remote control, from Laurel, Maryland.

Widow's Assistance Program

The Foundation's Widow's Assistance Program has been in operation for many years and has accomplished a great deal for the families of our Silent Keys. The program offers to help widows (and other family members) evaluate and dispose of radio equipment in an Amateur's estate. Listings of Estate Sales are carried in the Shack Sales of Auto-Call magazine free of charge, and major items may be offered for sale at local hamfests, etc. No fee or commission is charged the families.

One other option that should be considered is donating equipment to a club taking a tax write-off for the charitable contribution. The Widow's Assistance Program can help you find a club that will make good use of the equipment. Some commercial operations are also willing to purchase the complete list of equipment and clear everything out at once. This may be the quickest solution in disposing of an estate.

Every ham is encouraged to maintain a list of his/her radio equipment, with realistic evaluations, and instructions on the disposition of any specific items you would like to have go to a special person or organization. Keep your family advised of your wishes.

For more information about the Widow's Assistance Program contact any local Foundation member club or call Tony Young/WA3YLO at (301) 262-1917.



DX DX DX

By John Kanode,
N4MM

DXPEDITION TO TUVA, UA0Y

The Foundation for Amateur International Radio Service (FAIRS) and Friends of Tuva (FOT) are organizing a team of American operators to travel to Kyzyl, capital city of the Tuvan Republic, in late May or early June, 1995.

Duration of the DXpedition will be about four weeks. Operators will meet the Russian amateurs, which include UA5WE, RB5WA and UA4LC in Moscow and then take the one week train trip to Akaban then travel by car to Kyzyl.

The round-trip rail costs are about \$150 and the round-trip air fare from Washington, DC to Moscow is about \$750. Anyone interested in going on this trip should contact Pat Barthelow, AA6EG, 1388 Boles Court, Seaside, CA 93955.

Tuva is in CQ Zone 23 and is one of the harder zones to get for the various CQ WAZ Awards. Many need it on 40 and 80 their 5 Band WAZ. Due to the fact that this trip takes place in early summer, I doubt if anyone in this part of the world will hear them on 80 and very few on 40.

If one of the goals of this trip is to give out as many contacts with Tuva on the lower bands, it should be done in the late fall or winter. There is an article on Tuva in the March 1995 issue of QST.

UPCOMING DX CONTESTS

ARI International DX Contest	May 6-7
CQ WW WPX CW Contest	May 27-28

APPROVED OPERATIONS FOR DXCC

The following stations have been approved for DXCC credit.

3A/IK1QBT	9Q5AGD	TU4EG
3BB/ON4QM	9Q5RT	TU4EX
3C1/TU4EI	9X/SM5DIC	TU5DX
3DAØCA	9X5EE	TU5EV
3V8BB	A51MOC	TU5NC
4S7/JA4FM	A51MOC/	US1U/
5NØETK	JH1AJ	PA3BUD
5NØGC	A51/JH1AJT	UT8U/
5NØPYL	A61AH	PA3BUD
5X1HR	A61AN	V26E
5X1MW	C4C	V51T
5X1KO	CE8SFG	V5/NØAFW
7Q7SB	CN2SK	VIØANT
8Q7AB	D2EGH	VP2EDK
8Q7BX	D68RS	VP29EI
8Q7YF	D68TA	VP2MDY
9A/SP3DPR	DU7LA	VP8SGP
9A/SP6MLX	DU7/KD6QV	VP8CGC
9G5WH	FH/JA1IDY	VP8CRB
9G5RM	HSØ/DL2FDK	VP8CRC
9G5TL	J55UAB	VP9/W1RQ
9G5MB	J87CO	VR6AB
9G5MT	J87FT	XE1/UA3AB
9G5JR	J8/F5LGQ	XE1/RA3AUU
9G5VT	J8/F6AOI	XE1/NT2X
9GØARS	J8/F9IE	XF4M
9IØA	P43DWC	XT2JB
9I3ºZIN	S21YO	XU3DWC
9J2AE	S79ASM	XW1
9J2CE	SV5/DK1RP	XW1A
9LI/TU5EV	SV9/G4OBK	YKØA
9M2/	TI8/KB9CRY	ZA/OK1CF
GMØDEQ	TI2PDX	ZK1SRF
9M6/	TK/IK1QBT	ZK2ZE
GMØDEQ	TL8JD	
9N1AP	TOØP	

Column continued on page 15

Public Information Coordinator



Maryland/DC Section

By Melvin J. Morenz, N3EKZ
416 Brooks Court
Glen Burnie, MD 21060-7616
Voice (410) 760-9426
Packet: N3EKZ@WB3V.MD.USA.NA

Annual Report Due to HQ

ARRL Affiliated Clubs should send your 1995 Annual Report to ARRL HQ if you have not done so!

March American Red Cross/ARES COMEX

On Saturday, March 11th from 11 a.m. to 2 p.m., the American Red Cross (ARC) in Maryland and Delaware held a nation-wide Community Disaster Drill to demonstrate how they assist the public during a disaster. Shelters were open at locations accessible to the public in various counties.

The ARES groups throughout the state provided excellent communications support for this exercise. Activities of those groups that reported their involvement is listed below.

D.C. ARES Supports American Red Cross

The District of Columbia ARES provided communication support to the National Capital Chapter of the American Red Cross in a drill held on Saturday, March 11, 1995. The drill scenario was that the mayor's Command Center contacted the Red Cross to provide assistance in sheltering 25 families left homeless after a major apartment building fire. Red Cross officials established a service center at the Lansdon Recreational Center in Northeast D.C. to serve disaster victims.

D.C. ARES was activated after the service center was operating to provide communications support after Red Cross communication channels had failed. The service center was in the building basement located in a valley.

A net was established on the primary D.C. ARES repeater 145.11 MHz (CCARS) and traffic was passed for Red Cross officials including identification of families at the service center, identification of fire victims sent to local hospitals for treatment, and health and welfare information in response to inquiries from concerned families. Third party communications were used to facilitate message transmission. In addition, a mobile HF station at the drill site sent a NTS message to MEPN alerting ARRL officials to the D.C. ARES drill response.

Thanks to the following who participated in the drill: Hani, AA3EI; Quin, N3KGM; Paul, KQ3X; Lenny, N3RPQ; Chester, W3EIL; Steve, W3ETX; Jim, AA3CD; Tom, N3UBJ; Carl, N3UBK; and Tamara, KE4LWR.

The exercise proved that amateur radio gets the message through when all else fails. D.C. RACES/ARES actively supports public service events and emergency communications in D.C. For further information, contact Hani Raad, AA3EI, at 202-223-3925. (Reported by Lenny Schachter N3RPQ AEC D.C. ARES/RACES and PIO for MADRAS).

Red Cross Drill A Success

The Southern Patuxent Amateur Radio Club (SPARC) Amateur Radio Emergency Services (AES) provided communications support for the state wide American Red Cross Drill.

Amateur Radio operators located at both the mass care shelter, set up by the Red Cross and the command center at the Emergency Operation Center in Leonardtown, provided communication between St. Mary's County Red Cross and the other

Column continued on next page

Red Cross chapters that were involved in the drill throughout the state.

Once again Ham Radio operators prove that during times of disaster they are ready and trained to provide communication support to the community. For more information on how you can be involved with the emergency communications goings on in St. Mary's County, contact:

Dan Navarro N3NHT
(RACES Officer/SPARC AES Chairman
Ph: (301) 862-3625

(Reported by Dan Navarro N3NHT)

APRIL RACES COMEX

On April 4th a RACES Communications Exercise was conducted county/state-wide. This exercise simulated searching for a missing 7 yr. old.

If you are not a current member of ARES/RACES contact your local Emergency Coordinator (EC) today. If you are not sure of whom to contact or how, please give me a call or drop me a packet message. If on packet, please let me know where you live, including the county, and how I may contact you.

73, Mel/N3EKZ

TIDBITS

The Yorkshire Cluster Support Group will hold their annual general meeting and DX convention at the Post House Hotel, York England at 12:30 PM on Saturday, May 13, 1995. A full lecture program will follow the brief general meeting. Details are available from G4OBK, Phil Catterall, 23 Greenstead Road, Newby, Scarborough, North Yorkshire, England.

The 1995 Islands On The Air (IOTA) contest runs 1200Z, Saturday, July 29 to 1200Z, Sunday, July 30, 1995. Bands to be used are 80, 40, 20, 15 and 10 meters.

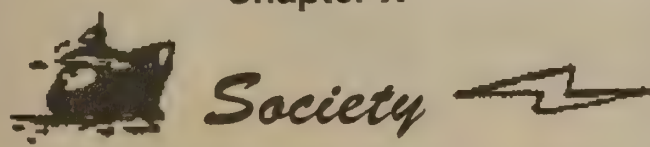
The DX publication QRZ DX has been sold. Bob and Bonnie Winn sold their publication to Carl and Miriam Smith, N4AA and KB4C of Asheville, NC. Bob and Bonnie published QRZ DX for 12 years. The first ever issue under the new management should be April 3, 1995. The new address is Box 16522, Asheville, NC 28816 or Internet RWDU57A@prodigy.com.

Canadian amateurs may use special prefixes to celebrate the 50th anniversary of the end of the Second World War in Europe. This is part of the Canada Remembers program sponsored by the Department of Veteran's Affairs. These prefixes can be used from March 25 until May 28.

VA2=VX2	VA3=VX3	VA7=VX7
VE1=CJ1	VE2=CJ2	VE3=CJ3
VE4=CJ4	VE5=CJ5	VE6=CJ6
VE7=CJ7	VE8=CJ8	VE9=CJ9
VO1=XO5	VO2=XO4	VY1=XN5
VY2=XN4		

The 1995 ARRL DXCC Yearbook is out. All those who are current ARRL members and who are current DXCC Honor Roll members or those who have made a DXCC submission between October 1, 1993 and September 30, 1994 will receive a free copy. They can also be ordered from ARRL for \$5.00 each.

Chapter X

 *Society*
of Wireless Pioneers

THE INTERNATIONAL ORGANIZATION
OF PROFESSIONAL RADIO TELEGRAPHERS

For Information Call
(703) 536-9537



WORLD RADIOSPORT TEAM CHAMPIONSHIP

*...to be held in Washington,
D.C. in July 1995*

*For more information, contact Bill Hider,
N3RR information Publicity Chairman, WRTC-95
call: 301-424-2707 E-MAIL: n3rr@aol.com or via
Packetcluster.*

The Potomac Valley Radio Club (PVRC) announced that the World Radiosport Team Championship 1995 (WRTC-95) will be held in the Washington, DC area on July 8-9, 1995. WRTC-95 is a competition between teams of Amateur Radio operators from all over the globe. The team winning the competition will be declared the best team of two amateur radio contest operators in the world. Fifty teams of two amateurs each will compete for top honors during the 24-hour IARU World HF Radio Championship contest next year. The judges for WRTC-95 are some of the top contest operators worldwide.

At the invitation of the organizers of the first WRTC in 1990, the Potomac Valley Radio Club shall lead the organization and administration of WRTC-95. WRTC-95 is dedicated in memory of

Mr. Leonard Chertok, W3GRF, PVRC's charter member, who became a Silent Key in 1993.

Local Baltimore/Washington/Virginia amateur radio stations will be utilized by the competing teams as part of the WRTC-95 competition. In this way, the fifty teams of amateurs from around the world will compete head-to-head in the same geographical area and with the same local propagation characteristics. A technical evaluation and rating of each local station will be made by PVRC to ensure uniformity.

Many local and regional amateur radio clubs are anticipated to join with PVRC to assist in the many aspects of this major operating event. Social as well as all of the technical arrangements will be divided among the clubs wishing to participate.

Questions and comments are solicited and may be directed to Bill Hider, N3RR at the address/phone number above or to either of the co-chairmen at the addresses below.

Howard Leake, W6AXX. Co-Chairman
4744 Gawain Drive
Ellicott City, MD 21043-6710
(410) 465-7008

Eric Scace, K3NA, Co-Chairman
10701 Five Forks Road
Frederick, MD 21702-1674
(301) 293-2448

REMINDER...



...has a new editor. Submit all Club Columns, Shack Sales, and commercial advertising copy to:

John Queen
Editor, Auto Call Magazine
755 Woodland Way
Owings, MD 20736

The Foundation For Amateur Radio, Inc.



Washington, DC

History and Purpose of the Foundation For Amateur Radio, Inc.

Originally known as the Foundation of Radio Amateur Clubs, the Foundation was organized in July 1957 and incorporated under the laws of the District of Columbia as a non-profit organization. The following clubs became charter members:

Falls Church Radio Club (now known as
Northern Virginia Radio Club)
Potomac Valley Radio Club
Rock Creek Amateur Radio Club
Washington Area YL Radio Club
Washington Mobile Radio Club
Washington Radio Club

Minor changes were made in the Articles of Incorporation in 1960 and the Foundation was reincorporated under the name "Foundation for Amateur Radio".

The Foundation is now composed of over 80 clubs in the Greater Washington area. Each participating club has two Trustees to represent it on the Board of Trustees, but each club has only a single vote.

The purpose of the Foundation is the furthering of Amateur Radio in all its various facets. Some of the activities which have been sponsored include the National ARRL convention in 1958, the Atlantic Division convention in 1962, the annual Foundation F.A.R. Fests and Spring Banquets, an extensive Scholarship program, an estate assistance program (to help family members evaluate and dispose of radio equipment), and publication of the monthly *Auto Call* Magazine. It has also provided financial assistance for projects such as the Washington TVI Committee, the SKYWARN program and the T-MARC program.

The Foundation for Amateur Radio holds its meetings at 8:00 p.m. on the second Wednesday of each month. Meetings in even numbered months meet in Maryland and meetings in odd numbered months meet in Virginia. Visitors are always welcome and are cordially invited to attend any of the meetings.

Inquiries relative to the Foundation may be addressed to:

Foundation for Amateur Radio, Inc.
P.O. Box 7612
Falls Church, VA 22040-7612

NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. Visitors are always welcome! The next meeting will be held on May 10 at the Lee Center, Alexandria, Virginia. Take Capitol Beltway to Exit 1 (US 1 North) North to the second traffic light, left on Gibbon Street to Fayette. Left on Fayette to dead end at Lee Center Parking Lot.

Talk-in on
146.55

FCC Issues More Calls For Some Areas

According to a new FCC fact sheet, an ARRL request for call sign relief for amateurs in Hawaii, Alaska, and Puerto Rico has been honored.

The "Amateur Station Sequential Call Sign System" Fact Sheet dated February 1995 replaces one dated June 1991 that is referenced in the FCC's recent vanity call sign report and order.

The new fact sheet incorporates changes that the League asked for in November 1993, expanding the opportunities for amateurs in Alaska, Hawaii, and Puerto Rico to obtain call signs that reflect their geographic location.

According to the new fact sheet, call signs in Alaska (Region 11), AL, KL, NL, and WL are no longer limited to the numeral 7. Any numeral, 0 through 9, is available. The call signs KL9KAA through KL9KHZ are reserved for assignment to US personnel stationed in Korea.

In the Caribbean (Region 12), KP3, NP3, and WP3 (or 4) call signs will indicate the Commonwealth of Puerto Rico (except Desecheo Island).

In Hawaii and the Pacific (Region 13), AH7, KH7, NH7, and WH7 (or 6) call signs will indicate Hawaii except that the letter K following the numeral 7 will indicate Kure Island.

Systematically assigned call signs in Groups A (Amateur Extra Class) and C (General, Technician, and Technician Plus class) for Alaska, Hawaii, and Puerto Rico using the traditional numerals (7, 6, and 4, respectively) have been exhausted.

The new fact sheet also designates Group D call signs for club and military recreation stations, applications for which have been accepted by the Commission since March 24, 1995.

It is not known if the FCC has yet issued any call signs under these new guidelines.



Is your club logo pictured here?

If not, it should be!! Commencing with this issue, Auto Call will include your club logo in the heading section of your Club Column. Now's your chance to show off your 'club colors' and add distinction to your column. Submit your club logo in either good contrast black and white copy, or electronically on a 3.5" Macintosh or MS-DOS disk in an EPS or TIFF format. Logo submissions should be sent to: John Queen, Editor, *Auto Call*, 755 Woodland Way, Owings, MD 20736. Call (301) 855-0198 for any logo questions.





Amateur Radio Newsline

Compiled by
John Queen
KAØSEY

[Editors Note: The following is late news about Amateur Radio for Radio Amateurs as prepared from NEWSLINE RADIO scripts by the staff of the AMATEUR RADIO NEWSLINE, INC., formerly the WESTLINK RADIO NETWORK. For further information about the AMATEUR RADIO NEWSLINE, please write with an SASE to, P.O. Box 463, Pasadena, CA 91102.]

VANITY CALL SIGN FORM

There will be a delay in getting the vanity call sign program underway. This is because the new Federal Communications Commission form necessary for applying for a vanity call the new Form 610-V will not be available until after May 1. Because of this, applications for vanity call signs can not be accepted until after the form is available.

This, even though the effective date for the new program began March 24th. Beginning May 1st, FCC Form 610-V may be requested by calling the FCC Forms Distribution Center at 1-800-418-3676. Hams who call the FCC to request the form before then will not have their names recorded and it will be necessary for them to request the form again, when it is available. As an alternative you can send an Self Addressed Stamped Envelope to ARRL-VEC at anytime. Write Form 610-V request on the outer envelope and it will be sent to you as soon as it's available. The FCC says that it will make a public announcement of the date of opening of the first gate to file a vanity call sign application. Do not send in any forms until after that date is announced.

EMERGENCY COMMENTS

The ARRL has filed comments on FCC notices of proposed rule making concerning a proposed new Emergency Alert System in FO Dockets 91-302 and 91-171. The League says that the EAS proposal signals the Commission's intention to integrate broadcast alerting concepts into local and regional emergency response plans, and said that the Amateur Service is a logical partner in providing emergency information to the public.

The ARRL asserts that Amateur Radio has a long history of providing emergency communication. This, through the Radio Amateur Civil Emergency Service and the Amateur Radio Emergency Service. And the national society says while the Commission's proposal cites hams as an auxiliary entity in emergency communication operations, the reality is that the Amateur Service is a principal provider of communication during disaster relief and other emergencies.

The League believes that Amateur Radio must be considered an available resource at all levels of EAS organization. It notes its memoranda of understanding with the American National Red Cross, the Salvation Army, the Federal Emergency Management Agency, the National Communications System, the Associated Public Safety Communications Officers, and the National Weather Service as basis.

The League suggests that EAS participants should be a part of overall emergency planning, not just emergency communication planning. It urges the total integration of Amateur Radio and other radio services into the overall planning.

RUBBER CHECKS

A ham radio con man appears to be at work in the mid-west hamfest circuit. This, with a number of exhibitors at a recent Missouri show duped out of new equipment paid for with bad checks. The person passing the bad paper claims the identity

Column continued on next page

of Frank J. Margita (pronounced "MAR-GEE-TA") of Topeka Kansas, but that appears to be a phony. This, because the real Frank J. Margita passed away in Florida in 1992.

The con man is described as 40 to 50 years old standing six feet tall and weighing about 200 pounds. Witnesses say he has a beard and is very knowledgeable about ham radio. He may claim that he recently passed an Amateur Radio test and is waiting for his call sign.

Among the items that the phony Frank J. Margita paid for with rubber checks was a new Yaesu FT-890 high frequency transceiver bearing the serial number 211200762. If anyone tries to sell you this radio or a new Midland 2 meter HT at a bargain price, please contact Detective Bill Fisher of the Saint Joseph Missouri Police Department at 501 Farron Street, in Saint Joseph, Missouri 64501.

IS FCC PLANNING TAX ON MODEM USERS?

N3GPU reports via packet that Baltimore radio station WCBM carried a news story which says that the FCC is developing plans to assess charges for modem users who pass data back and forth with online services such as CompuServe, America Online, Prodigy, and the like.

The story went on to say that the proposed user fees could be as high as \$6 per hour, and would be charged by the telephone carriers with FCC permission, as partial compensation for the costs of long distance service deregulation. The WCBM story concluded by saying that a similar effort by the FCC several years ago was shelved because of the weight of public comment against it.

DX

In DX, reports from the Tokyo PacketCluster indicate that two Laotian stations are currently active. XW2A and XW1BOD have been mainly

heard on 20 and 40 meters CW. The two stations operate on 20 meters between 23:00 and 01:00 UTC and on 40 meters between 14:30 and 17:00 UTC between 21:00 and 22:30 UTC.

Also, several Japanese sources report that JH1AJT, who was recently active from Bhutan hopes to make a return sometime this summer. Reportedly, he has left all the rigs, antennas and amps in A5 land and plans to go back again to activate the station for a longer stay.

HAM COMPUTER HACKER INDICTED

Computer super hacker Kevin David Mitnick, N6NHG has been indicted on 23 counts of computer access fraud. On Thursday, March 9th, federal authorities in Raleigh, North Carolina charged the California ham with one count of illegally possessing device making equipment, one count of possessing unauthorized access devices and 21 counts of using a counterfeit access device.

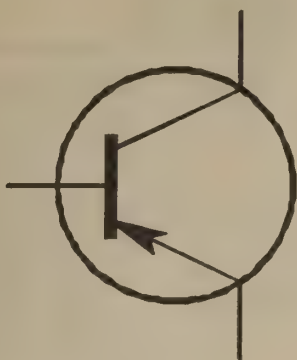
Authorities say that by using his knowledge of computers and cellular telephone switching, Mitnick may have stolen as many as 20,000 credit card numbers from one computer network alone. He is also believed to have also accessed numerous other secret, on-line systems.

The March 9th indictment covers only Mitnick's alleged activities during his 10 day stay in Raleigh. Whether N6NHG will be tried in Raleigh still has not been announced.

In addition to the North Carolina criminal allegations, Mitnick also faces a state warrant in California for parole violation and possible other charges in Colorado and several other states.

As previously reported, Mitnick was captured with the help of a San Diego computer security expert. The ham turned hacker faces a maximum of 20 years in prison if he is convicted on each of the 23 charges in this first federal indictment.

Column continued on page 48



Amateur Radio Training Classes

John Forrest WZ4A
6111 Burnett St., Alexandria, VA 22310
(703)971-3905

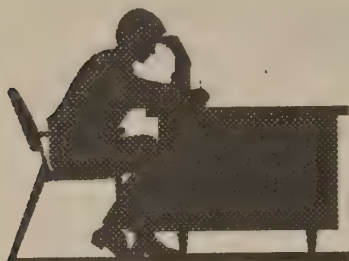
Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the Autocall publication date (e.g., 25 May for the July issue).

Class Announcements

None as of deadline for publication.

Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703)644-3920
Anne Arundel RC	Tony Young WA3YLO	(301)262-1917
Arlington ARC	Fred Bardsley WD4DHW	(703)533-0372
Antietam Rad Assn.	Robert Long KD3JK	(301)824-5132
Baltimore RATS	Joe Chidester W3SHZ	(410)602-0353
Baltimore ARC	??	(410)780-6854
Fauquier ARC	Neil Spokes AB4YK	(703)364-3861
Frederick ARC	Steve Bauman W3FOA	(301)662-4552
Herndon Rep't Gp	Michael Weber WB8RDN	(703)450-2304
Laurel ARC	Pud Reaver W3DQI	(301)498-6293
MADRAS	Larry Ziecheck	(301)984-6113
Montgomery ARC	Rocky Jones KC4UXO	(301)216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703)971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301)249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703)361-3091
Pentagon ARC	David Boyd K9MX	(703)659-6241
St. Marys Co. ARC	??	(301)862-2214
Shenandoah Val ARC	Guy Black W4PSJ	(703)722-4952
Southern MD ARC	Vic Curtis WA3YUV	(301)888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410)586-2177
Springfield Est ARC	Will Schmitt KD4CNX	(703)768-5709
Stafford Adult Ed	Jerry Mullinix AC4HK	(703)659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703)430-4149
Tri-County ARC	John Creel WB3GXW	(703)572-5124
Vienna Wireless	Paul Wilkins AB4CY	(703)560-2779
Woodbridge Wireless	Cliff Deel KO4FM	(703)491-0841



Volunteer Examiner Cooperative

JOHN FORREST WZ4A
6111 Burnett St.
Alexandria, VA, 22310
(703) 971-3905

* Effective July 1, 1995, the Advanced Class written exam question pool (Element 4A) will change. Since the question pool has not been changed for many years, significant changes are anticipated. Be sure to use study materials appropriate for the current question pool.

* The maximum exam fee has been raised by the FCC to \$5.90.

* Copies of the complete (as of date) 1995 VEC Exam schedule from the *Auto Call* database are available. To obtain a copy, please send a large, self-addressed envelope with sufficient postage to cover 10 letter-size pages along with \$1.00 to cover copying costs to WZ4A at the above address.

1995 Schedule of Examinations

May 3 (Wed.)	Warrenton, VA - Fauquier ARA (ARRL VEC) Walk-In Contact: Neil Spokes AB4YK (703) 364-3861
May 7 (Sunday)	Landover, MD - D.C.M. ARC (ARRL VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 (Day) (301)773-2898 (Evening)
	Elkins, WV (Mount. ARC VEC) Walk-In Contact: Walter Corley KF8SX (304)637-0506
May 8 (Monday)	California, MD - Southern Patuxent ARC (ARRL VEC) Walk-In Contact: Dwayne Kincaid WD8OYG (410)586-2177

1995 Schedule of Examinations, continued

May 13 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey N4GUS (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
	Culpeper, VA - (ARRL VEC) Pre-Registration Preferred Contact: Bill Brown AC4KP (703)547-3089 Gary W0QDP (703)854-6187
	Middletown, VA - North Point FM Assoc. (VEC Unknown) Pre-Registration Desired - Limited Walk-In Contact: Tom Blicharz KR4DO (703)636-1176
May 14 (Sunday)	Hagerstown, MD. Antietam Radio Assn (Greater Hagerstown Hamfest) (Mount. ARC VEC) Pre-Registration Desirable Contact: Leo Patterson KQ8E (304)289-3576 Gay Rembold W3DFW (301)724-0674
May 20 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Smithsburg, MD - Mid-Atlantic DX & Rptr Assn. (ARRL VEC) Pre-Registration Requested Contact: J.M. Vaia WB8VBW (301)416-8447 Box 110
May 23 (Tuesday)	Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested, Walk-In limited Contact: Jerry Gavin NU3D (410)761-1423
May 26 (Friday)	Arlington, VA. at the Pentagon - Pentagon ARC (ARRL VEC) Pre-Registration Encouraged Contact: Jim Fox KE4EID (703)756-8994 (Work) (703)931-6523 (Evening)

1995 Schedule of Examinations, continued

June 4 (Sunday)	Landover, MD - D.C.M. ARC (W5YI VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 (Day) (301)773-2898 (Evening)
June 10 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey N4GUS (703)455-1510
	Cumberland, MD - Mountain ARC (Mount. ARC VEC) Walk-In Contact: Leo Patterson KQ8E (304)289-3576 Gay Rembold W3DFW (301)724-0674
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
June 15 (Thursday)	Towson, MD - Baltimore ARC (ARRL VEC) Walk-In Contact: Bob Kennick WB3HNV (410)426-8255 Mailbox #3468
June 17 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Smithsburg, MD - Mid-Atlantic DX & Rptr Assn. (ARRL VEC) Pre-Registration Requested Contact: J.M. Vaia WB8VBW (301)416-8447 Box 110
June 26 (Monday)	Annapolis, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested, Walk-In limited Contact: Lois Turner KA3VVQ (410)647-4178
July 2 (Sunday)	Landover, MD - D.C.M. ARC (ARRL VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 (Day) (301)773-2898 (Evening)

1995 Schedule of Examinations, continued

July 8 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey N4GUS (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
July 15 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Smithsburg, MD - Mid-Atlantic DX & Rptr Assn. (ARRL VEC) Pre-Registration Requested Contact: J.M. Vaia WB8VBW (301)416-8447 Box 110
July 21 (Friday)	Arlington, VA at the Pentagon - Pentagon ARC (ARRL VEC) Pre-Registration Encouraged Contact: Jim Fox KE4EID (703)756-8994 (Work), (703)931-6523 (Eve.)
July 25 (Tuesday)	Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested, Walk-In limited Contact: Jerry Gavin NU3D (410)761-1423
July 30 (Sunday)	Hagerstown, MD - Antietam Radio Assn. (ARRL VEC) Pre-registration Strongly Recommended - Limited Walk-In Contact: Page Pyne WA3EOP (301)714-0688 (Day) Bob Long KD3JK (201)824-5132 (Evening)
August 6 (Sunday)	Berryville, VA - Shenandoah Vally ARC (Hamfest) (Mount. ARC VEC) Pre-Registration Desirable Contact: Leo Patterson KQ8E (304)289-3576 Gay Rembold W3DFW (301)724-0674

- More examination information next page -



Volunteer Examiner Cooperative

EXAM FEES:

- * Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
- * ARRL VEC exams cost \$5.90
- * Laurel VEC exams are free
- * Mountain VEC exams are free
- * W5YI VEC exams cost \$5.90

BRING TO EXAM:

- * Picture identification
- * Completed FCC form 610 (most VE teams will supply at exam)
- * Original and a copy of current FCC amateur radio license
- * Originals and copies of all active certificates of successful completion of prior exams
- * Exam fee (check or cash depending on VE team)

"GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

- * If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., Sept. 25 for November issue)



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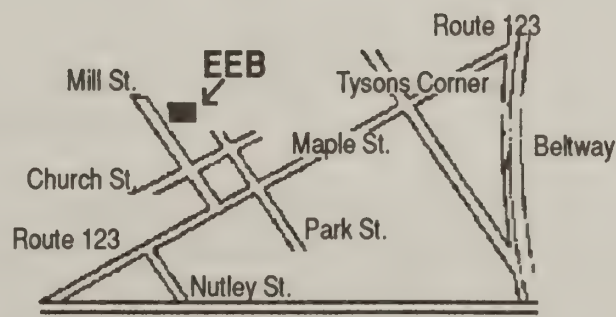
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You name it, we got it!

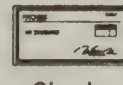
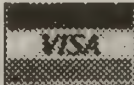


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MANASSAS HAMFEST

AMATEUR RADIO AND COMPUTER SHOW
AN ARRL APPROVED HAMFEST



SUNDAY, JUNE 4, 1995

PRESENTED BY THE OLE VIRGINIA HAMS A.R.C., INC

**** FREE PARKING ** TALK-IN ON 146.37/97 & 223.06/224.66 ** HOURLY PRIZES ****

INDOOR EXHIBIT SPACE AVAILABLE FOR DEALERS AND MANUFACTURERS
*** FOOD PROVIDED BY THE PARK WEST LIONS CLUB ***

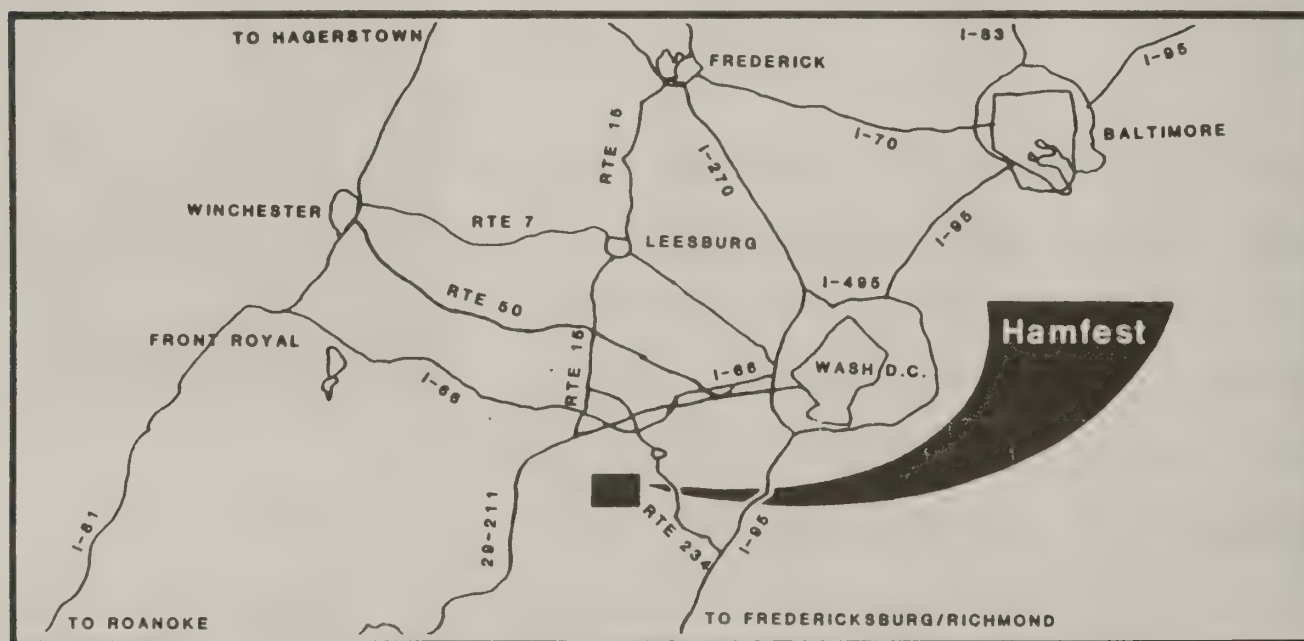
GENERAL ADMISSION:

\$5.00 Per-person at gate
No advance sale
Gates open at 8:00 A.M.

TAILGATING:

\$5.00 Per-space in addition to
general admission
Gates open at 7:00 A.M.

PRINCE WILLIAM COUNTY FAIRGROUNDS 1/2 MILES SOUTH OF
MANASSAS ON ROUTE 234



GENERAL INFORMATION

- Ample room for tailgating - 25 acres
- Tailgate Set-up 2 PM till 11 PM Sat.
- Commercial building available for set-up from 2 PM till 8 PM on Sat. the 3rd.
- Prior written approval for food venders must be obtained from Hamfest Chairman.
- Door prizes of major radio equipment will be awarded at 3:00 PM
- Hourly prizes beginning at 10 AM for those present.
- You do not have to be present for the major prizes.
- Tailgating prize will be awarded at 3:00 PM.

Dealer's Information Call:

Joe (K4FPT) 703-257-9719

General Information Call:

Mary Lu (KB4EFP) 703-369-2877

The MARYLAND FM ASSOCIATION, INC.
proudly presents its annual

Memorial Day Hamfest ***Sunday,*** ***May 28, 1995***

**at the Howard County Fairgrounds
Rt. #144, West Friendship, Maryland**

Time: 8 a.m. until 3 p.m. — premises **MUST** be cleared by 5 p.m.

TALK-IN on WA3DZD/R Repeater (146.16/146.76, 223.16/224.76, and 449.0/444.0).

Plenty of good food and drink will be available.

Sorry, no private sale of food or drink permitted!

COMMERCIAL DISPLAYS

AMPLE PARKING

DONATION: \$5

Table rentals (inside):

Paid in advance — \$15

At the Hamfest — \$20

(if available)

Only PAID table reservations
accepted. If you haven't paid,
you don't have reservations.

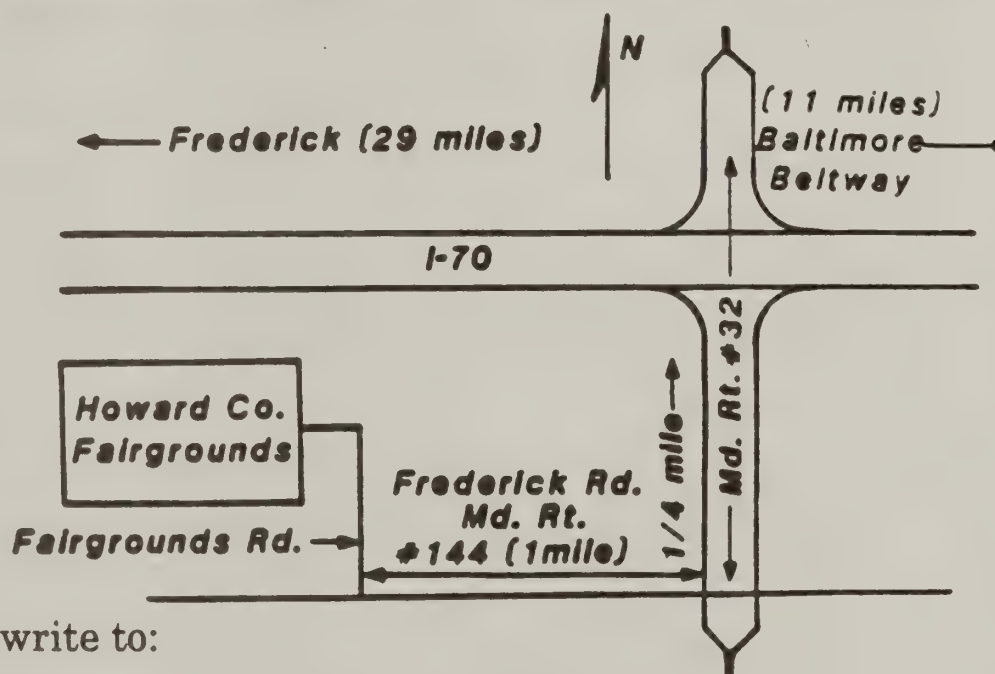
For reservations and information, write to:

Melvin Seyle (WA3KZR)

15809 Pointer Ridge Drive

Bowie, MD 20716

301-249-6147

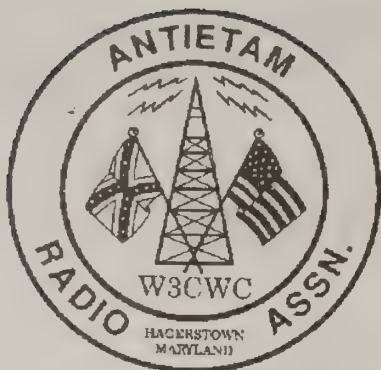


Make checks payable to **MFMA, Inc.**

All proceeds will be used for Amateur-Radio-related purposes.

Commercial vendors must have proper tax/license certificates available.

All items offered for sale must be Amateur Radio related.



**Antietam Radio
Association W3CWC
P.O.Box 52
Hagerstown, MD 21741**

PRESENTS

***The 1995 GREAT HAGERSTOWN HAMFEST
and Computer Show***

ARRL Approved

Sunday May 14th, 1995

**Hagerstown Junior College
Athletic and Recreation Center**

**Admission \$5.00 per person,
Children under 12 admitted free.**

TAILGATING:

A spacious area will be available near the Recreation Center. Spaces will be available for \$5.00 each. Each tailgater must have paid for a general admission ticket before obtaining a tailgate space. Spaces will be available on a first come - first served basis. There will be no reserved Tailgate Spaces.

INDOOR VENDORS:

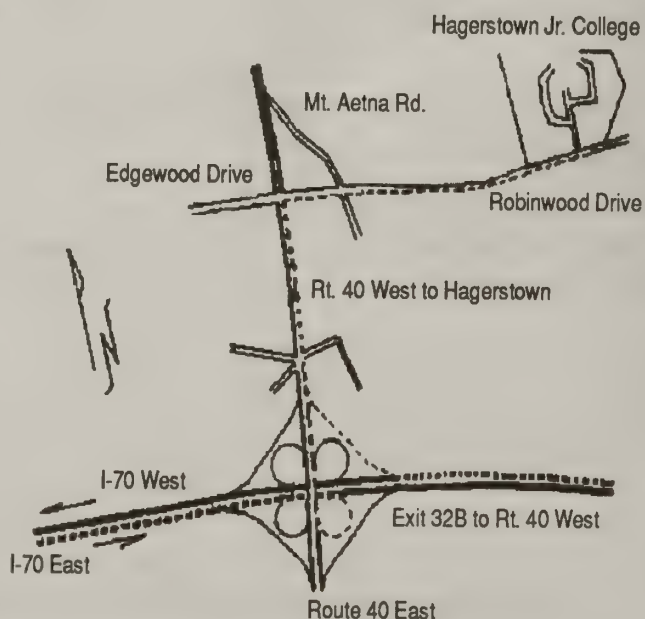
A large indoor area awaits for commercial dealers and for those wanting a weatherproof area for their sales. Tables are available for \$20.00 each, and are available for \$15.00 each in advance. Payment, in advance only, will reserve your tables. There is a limited number of electrical outlets available, and you will be responsible for your own electrical cords. To reserve an indoor space, or for Hamfest information, call Fred Bailey, N3HTN at 301-416-8079 or 301-714-0688, (Amateur Radio of Hagerstown). Most major credit cards accepted for pre-registration.

VE EXAMS BY THE MOUNTAIN ARC VEC: Pre-registration not necessary, but would be appreciated. Exam info 304-289-3576.

HAMFEST HOURS:

Inside vendors and Tailgaters will be allowed entrance to the Jr. College between 6:30 PM and 9:30 PM on Saturday, May 13. There will be a security guard inside the Recreation Center that evening. General admission is at 8:30 AM, Sunday May 14th. The main door prize drawings will begin at 2 PM, and the Hamfest will end about 3 PM.

GETTING TO THE HAMFEST . . .





Anne Arundel Radio Club

Meetings: First and Third Thursday of the month at 8 p.m. at the Davidsonville Family Recreation Center, Queen Anne Bridge and Wayson Roads off Maryland Route 214 near Annapolis.

Mailing Address: P.O. Box 308, Davidsonville, MD 21035

On The Air: 2030 Thursdays when there is no club meeting on 147.705/105. Tuesdays at 2030 local time on 28.410. Wednesdays at 2000 on 444.400. The Chesapeake Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15. MSN (Maryland Slow Net) every evening at 1930 on 3.7170 Mhz.

Information: Margaret (Holly) Bevan, 410-923-0229.

At the February 16th program meeting, Club Member Barry Lazar/K3NDM provided an excellent program on practical, mostly HF antennas for amateur operators who either cannot or do not wish to erect towers.

At the March 16th program meeting, Pat Kilroy/WD8LAQ presented "SAREX: A Step into the Future". He discussed the two faces of SAREX (Shuttle Amateur Radio Experiment): the every day amateur radio uses and the educational side. The every day side is the ability of amateurs to interact with the astronauts. The educational side is allowing school children to have an audience with the astronauts, via the special programs within the schools, in real time. Pat challenged club members to take the SAREX message to their children's schools-to help get them involved in the program for future SAREX missions.

The weather net opened its 1995 season on Saturday April 1st. Ridge Gardner, Jr./N3JUY is act-

ing as coordinator this year. Any boater who would like to take turns serving as net control would be welcomed by Ridge. The weather net is held at 1100 and 1500 each weekend day and holiday on the club's two-meter repeater (147.105). The reports by boaters are monitored by the National Weather Service and incorporated into their reports.

Contest Coordinator Dan Weisenburger/KW4T reported that W3VPR (AARC Club Station) was present on 10 through 80 meters in the ARRL CW DX Contest during the third weekend in February. He and Joe Gardner/K7CI worked 450 contacts in 145 countries. The QSO and country totals were evenly divided on 15 through 80 with 10-meters doing about half as well. Support personnel included Bruce/KE3PT, Norm/N3RZU, John/N3NCJ, John/N3MNM and Katherine/N3PXG.

AARC Club members provided communications on March 5th for the Annapolis Striders B&A Trail Marathon and on April 2nd for the Marlborough Hunt Club Races at Roedown. Dave Evartt/N6TAU was the coordinator for the Marathon and Jim Suite/W3AAE coordinated the support activity at the Races.

On February 11th at the clubhouse Bob Israel/WC3I, Jeff Smith/N3OKY and Charlie Tiemeyer/W3RMD gave 25 exams to 12 persons. There were 16 tests passed with 7 upgrades.

At the March 11th testing session, Bob Israel/WC3I, Charlie Tiemeyer/W3RMD and Oscar Ramsey/NV3G gave 37 tests to 19 persons. Eighteen tests were passed with 9 upgrades. The next testing session at the clubhouse will be on May 13th.

Bob Spore/KE3SE and Katherine Stephens/N3PXG have upgraded to Advanced. Keith Monahan/N3LDF is now General and Roxy Harich/N3UUB has attained Tech+. Lexow Grant's first call is KE5FPM.

73, Holly/N3BMB



Antietam Radio Association

Meetings: First and Third Tuesday of the month at 8 p.m. in the Conference Room at the Washington County Regional Airport, Showalter Road, Hagerstown, Maryland.

Mailing Address: P.O. Box 52, Hagerstown, MD. 21741

Nets: Tuesday 7 p.m. 146.940 MHz.; Wednesday 7 p.m. 447.975 MHz.; Thursday 7 p.m. 147.090 MHz.

Repeaters: 147.09+ and 146.94 -.

Information: Donnie Sue Mulligan/
KB3AOO (301) 582-2984

The Antietam Radio Association is now meeting at the Washington County Regional Airport in the conference room at the terminal on Showalter Road. This new meeting place is handicap accessible and all visitors are welcome.

On Saturday, March 18, 1995, Karl Medcalf/WK5M from Kantronics in Lawrence, Kansas gave a Kantronic Digital Seminar at the Hagerstown Junior College. The seminar was sponsored by the Shenandoah Valley Amateur Radio Club, Inc. of Winchester, VA. We enjoyed it immensely.

Thank to SVARC, Irv, Fred, Kantronics, and others.

May 14, 1995 is date for the Great Hagerstown Hamfest and Computer Show at the Athletic and Recreation Center, Hagerstown Junior College. We should have a great one this year as we have had in the past two years. I'll be looking forward to seeing you there.

Irvin Prickett/N3RDO visited his son in South Carolina when he noticed a QSL card from an ARA Member, Page Pyne/WA3EOP, from 26 years ago. Small world!

Bob Long/KD3JK said the Novice/Tech classes

are going great and Jerry Metz/W3BRZ is doing a fine job as CW Coach. Something new for the ARA. We will have a family picnic and fun day on Sunday, June 4, at Cowan's Gap Park in Pennsylvania. It should be loads of fun! Hope to see you there.

Later in June, there will be a Field Day. Jim Dula/N3PMP is acting as Operations Coordinator and would like to hear from you if you can help.

For many years, Bill Drager/K3UMV has been the trustee of the ARA 147.090 MHz repeater. He ran the 4-state net as FAITHFUL as a sunset. On February 23, the familiar Kilo Three Uniform Mike Victor (K3UMV) repeater changed its callsign to Whiskey Three Charlie Whiskey Charlie (W3CWC), the ARA club callsign.

MANY THANKS for all those years, Bill!

The MD/DC QSO Party, sponsored by the Antietam Radio Association, is coming soon. It is scheduled for August 12-13, 1995. The QSO Party Chairman is Ted Lawhead/WA3AAT with Page Pyne/WA3EOP on the Committee.

We would like very much to see more clubs involved in the MD/DC QSO Party. Remember last year; CARA won the club competition. Maybe this year YOUR CLUB could win!

Until the next time...

73, Donnie Sue/KB3AOO

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Goddard Amateur Radio Club, Inc.

Meeting: Third Wednesday of each month at 5:00 p.m. at the Goddard Amateur Radio Club station, Soil Conservation Road, Greenbelt, MD, across from the Soil Conservation Road gate of the Goddard Space Flight Center. This road may be accessed from either Route 193, Greenbelt Road, or Powder Mill Road.

Net: Information net is held every Thursday evening at 9:00 p.m. local time. All amateur radio operators are welcomed. Net Control is Don Bennett, W3MIK

Repeater: 146.835 Mhz.

Information: Jim Blackwell, N3KWU, (301) 286-4534; Vikki Gigante, KA3PVS, (301) 249-2609.

Well, the hamfest season is underway again and WA3NAN will be out there in force. We will be at several local hamfests including the Memorial Day Hamfest on the Sunday of Memorial weekend at the Howard County Fairgrounds.

Shuttle retransmission is doing quite well, thanks to all of you. We survived the 16 day mission. It is so nice to have Ron Parise, WA4SIR back in town. We had a contingent of GARC members go down for the launch and were treated to a wonderful reception at The Astronauts Hall of Fame by Ron's wife, Cecelia.

We were able to play and tour space camp. The mission was a beautiful sight and it was an incredible feeling of relief to see that launch safely off the pad knowing a friend was on board! Welcome back Ron, after a very successful mission.

The club was very involved in SAREX this mission, most of our members were present and assisting the contact with Ron and his children's school. There were too many club members involved to thank them all individually here, but

thanks to all who assisted including Jim Gass, Bill Boston, Chuck Sommer, Carolyn Keydash, Jim Blackwell, Bill Count, Hugh O'Donnell, Dave Weaver and all of the others who were assisting! It is hard to believe how fast and furious these missions are coming. The next few missions are as follows: STS-71, Atlantis, Mir Docking, Spacelab with Mir, Pad A, May 24, 1995, STS-70, Discovery, TDRS-G, Pad B, June 22, 1995, and STS-69, Endeavor, Weight Shield Facility 2, Pad A, July 20, 1995.

We want to thank all of our loyal listeners for their support. The new trailer is officially completed and we have done the last three missions from it. It is a beautiful workspace and we certainly want to show it off. Come see us at WA3NAN.

Also, we need more shuttle retransmission operators if we are going to keep this project alive. Please contact Vikki at (301) 249-2609 if you are willing to help. See you next month!

GODDARD COMMUNITY DAY

The NASA/Goddard Space Flight Center's semiannual Community Day or "Open House" is being held on Sunday, April 23, from 10 a.m.-4 p.m. at the Goddard Visitor Center in Greenbelt. It's a day filled with enjoyable activities for the whole family—special guided bus tours of the Center, presentations, living-in-space demonstrations, model rocket launches and much more.

As a special public service, volunteers of the Goddard Amateur Radio Club are setting up a Special Event Station at Community Day under the club call sign, WA3NAN. Time is short. Please pass the word. Come on out to see our ham radio demo station or watch for us on the air.

Watch for public demo QSO opportunities on some of the WA3NAN space shuttle retransmission frequencies (7.185, 14.295 and 21.395 MHz SSB, or nearby down frequency if there is a mis-

Continued on page 37



AMSAT The Radio Amateur Satellite Corporation

Local Meetings: Semiannual in March and September.

VHF FM Net: Sunday at 9 p.m. on 146.835 MHz FM, WA3NAN/R, Greenbelt, MD except on holiday weekends.

Information: NCS Pat Kilroy, WD8LAQ, by packet radio: WD8LAQ @ WB3V.MD or by Internet: wd8laq@amsat.org

AMSAT is a nonprofit, scientific and educational organization incorporated in Washington, D.C. with headquarters in Silver Spring, Maryland. Everyone is welcome to join AMSAT and to become actively involved in the support and operation of the amateur space program. If you would like additional information then you may write to: AMSAT Headquarters, P.O. Box 27, Washington, D.C. 20044. Or you may telephone headquarters at 301-589-6062.

Local AMSAT Meeting Exclaimed Huge Success

The Washington, D.C. - suburban Maryland seventh semiannual local AMSAT meeting on Sunday, March 19 was a *huge* success.

The sunny afternoon event took place at the NASA Goddard Space Flight Center's Visitor Center auditorium/PAO TV studio. It was probably the best one to date in this area, shy in attendance only by the first one of this series which took place back in January 1992.

A large number of individuals volunteered their time and talent to make it happen. To recognize a few, first the presenters: Frank Bauer, KA3HDO; Martin Davidoff, K2UBC; Eric Rosenberg, WD3Q; Tom Clark, W3IWI, and Dick Daniels, W4PUJ. And the "show 'n' tell" demos: Jesse Buckwalter, NZ3F; Tom Clark, W3IWI; John

Klim, N3KHK; Gilbert MacKall, N3RZN; Will Marchant, KC6ROL; Steve Stephenson, WA5UNA; Joe Novak, K4OVK; Bob Bruninga, WB4APR; and Bob Damrau, WA1LOT. John Bosak, K3IBN, provided some timely video expertise. Thank you!

And thanks to all who attended, roughly 75 individuals, including those who traveled from afar: George Bourassa, KB2SAE, and his wife (six hours one-way from Albany, NY!); Edward White, WA3BZT, from Delaware; two from New Jersey and West Virginia, and a number from Pennsylvania and Virginia. Special thanks to our WA3NAN talk-in station Robert Stafford, N3QPJ; to our Greeter at the door John Tyburski, K2VPR, and thanks to all those who donated refreshments and to those who set up and knocked down tables and chairs. Every little bit helped. What a great group!

Through the generosity of the many who contributed a modest donation, it added up! It appears that we can now pay off the small amount that we were in arrears for this meeting and have enough left over for, again, a 400-strong direct mailing campaign towards our next meeting in September. AMSAT members in other areas are encouraged to unite and follow suit!

AMSAT LOCAL SURVEY

Have you ever heard someone say something like "You know what AMSAT ought to do about the local two-meter net?" or "Why don't we ever" Well, here is your chance to tell your AMSAT Area Coordinator what YOU think. I have a one-page local amateur satellite activity poll for you to check boxes and fill in the blanks with your thoughts and ideas. The survey is meant to direct our local activities over the next year or more, including how to improve the local two-meter net (or cancel it), how to "network" with each other, decide which activities should be supported, evaluate how well your amateur satellite needs have been met to date, and lots more. Send a business size SASE to me at P.O. Box 1520, Bowie, Maryland 20717. We want to hear from you!

**HR AMSAT NEWS SERVICE BULLETIN
091.01 FROM AMSAT HQ
SILVER SPRING, MD APRIL 1, 1995
TO ALL RADIO AMATEURS BT
BID: \$ANS-091.01**

Explanation Of Tragic Loss Of TECHSAT-1 and UNAMSAT-1. As reported earlier, the flight was on a converted ICBM. Liftoff and following events apparently were nominal until the time came for the 5th stage to fire. All stages are reportedly solid-fuel rockets. After that time, it was said that signals were lost.

It is not known whether any salvage will be attempted. It is speculated that everything burned up in reentry as the flight was in the vicinity of 600 km altitude, although slow, at the time of failure. This was, apparently, the first time that a fifth stage has been attached in this flight configuration although the fifth stage module has reportedly flown on other missions as an add-on stage.

TECHSAT and UNAMSAT are said to have been accompanied, on the flight, by two Russian satellites. It had been reported previously that TECHSAT and UNAMSAT were to remain attached to a RESURS-class spacecraft in orbit, but that was apparently for an earlier flight configuration which was changed some months ago. It is now reported that the payloads were all separately attached to the upper stage of the launch vehicle.

AMSAT-NA President Bill Tynan (W3XO) expressed deep sorrow over this substantial loss to all of those who worked so hard to design and construct these spacecraft, and to the entire amateur satellite community worldwide. He said that he had dispatched E-Mail messages of condolences to the appropriate parties.

[The ANS wishes to thank Richard Limbear (G3RWL) and AMSAT-UK for the material used in the preparation of this bulletin.]

73, Pat WD8LAQ
AMSAT Area Coordinator



**Central Maryland
Amateur Radio Club**

Meetings: 4th Friday of the month at 7:30pm, at the New Carrollton Municipal Center, 6016 Princess Garden Parkway, New Carrollton, MD (no meeting in December).

Repeater: N3EZD/R 145.230 MHz

Net: Every Tuesday, 9:30pm, 145.230 MHz repeater.

Mailing Address: Central Maryland Amateur Radio Club, 6016 Princess Garden Parkway, New Carrollton, MD 20784.

Information: Oscar Ramsey, Pres - NV3G, (301) 262-3392.

A wide range of items were discussed at CMARC's March meeting. Citing a need to reserve more of his meager free time for his family, CMARC's treasurer, Chuck/N3ODK, resigned his position effective CMARC's April meeting. The club unanimously elected Darrell/N3IBO to succeed Chuck. It was noted that the Tuesday evening net had not been held twice in the last four weeks due to a lack of a net control. Several members volunteered to be backup net control with the understanding that a "script" would be provided. Five club members also volunteered to serve as communicators for the Christmas in April housing rehabilitation project that will be held on April 29th.

Jim/KD3JA announced that the W1AW receiver kits had arrived, and scheduled a kit building session for May 6th. Jim also volunteered to coordinate the Field Day activity for the club. Progress was reported on the repeater controller upgrade. The CAT 1000 controller looks to be the most likely candidate. Mike/N3EZD has ordered the manual so that a final determination can be made. Activities to help raise funds for the new controller were also discussed, including assisting at the BRATSfest in July and running a food booth at the Greenbelt Labor Day Festival. Sign-up lists that were circulated for both events indicated strong support for these events.



Fauquier Amateur Radio Association

Meeting: 7:30 p.m., Second Tuesday of the month except July, August and December. Shadow Lawn Recreation Center, Warrenton VA. Next meeting, May 9, 1995.

Breakfast: Last Saturday of the month at Big Boy (next to HoJo's) Warrenton, VA. 7:30-9:00 a.m.

Net: Every Wednesday, 9:00 p.m., 147.165 Mhz NZ4N Repeater.

Packet: FARA7 node 145.070 Mhz with direct connect to FBBS9 Bulletin Board 145.090 MHz, FARA9 node 145.090 MHz.

Repeater: NZ4N/R 147.165 Mhz (+0.600 Mhz).

Newsletter: TOROID, Monthly. (A complimentary issue is usually available from Warrenton Radio Shack)

Information: Don, WY2V, (703)347-5745.

Fauquier Amateur Radio Association met March 14 for the annual auction. Regular business was quickly taken care of so that we could proceed to the main event. Larry Walker, K4LLQ was the auctioneer, and did a fine job with his colorful descriptions of the many items for sale. There were several tables full of "good stuff" and some amazing bargains went out the door that night. The club treasury benefitted a bit, and hopefully the sellers now have room in the shack for even better stuff they find at the next swap!

The ARES met to support the Red Cross disaster simulation on Saturday the 11th. The exercise simulated a flood emergency. Plenty of FARA hams were on hand to provide mobile emergency communications. Red Cross volunteers made surveys and assessments of the affected areas, while ARES provided communications between the mobile units doing the surveys and the chapter headquarters coordinating the efforts.

The April meeting of FARA featured a presentation on the Amateur Packet Reporting System (APRS). APRS allows automatic reporting, tracking and display of amateur packet stations. It's great for tracking the progress of moving vehicles, roving stations, or other items on the move. It's been used for tracking everything from sailboats to marathon runners. The presentation inspired members who hope to get on the air with APRS.

The ARES met to support the Red Cross disaster simulation on Saturday May 11th. The exercise simulated a flood emergency. Plenty of FARA hams were on hand to provide mobile emergency communications. Red Cross volunteers made surveys and assessments of the affected areas, while ARES provided communications between the mobile units doing the surveys and the chapter headquarters coordinating the efforts. Don Maziarz declared the event a success and is hoping for more like it in the near future.

The May meeting of FARA will feature a presentation by N4YXW on the N4YXW BBS and FARA9 node. Chuck has been very busy with his board. This past year he's added an internet gateway, experimented with a satellite gateway, and created a forwarding arrangement for members to contribute to the club newsletter. On top of that his is a very busy board for packet mail and some NTS traffic!

The FARA Field Day Chairman for 1995 will be Frank Ross, W4NHJ. Frank will be looking for some help in organizing the event, give him a call if you can help the FARA effort.

We're looking forward to Field Day 95'. Our biggest effort this year will be in finding a new site. The coming K-Mart has overtaken our prime site in the Warrenton shopping area. Well, the QRM there was getting bad anyway! We're scouring Fauquier county for a good location and plan to have fun regardless of where we wind up.

73

Mark, KD6AKC



Baltimore Amateur Radio Club

Meetings: Twice monthly, 7:30 pm at Dulaney High School (Padonia Road, Timonium MD) on First Wednesday of the month: business meeting. On the third Wednesday of the month: programming

Repeaters: W3FT/RPTR 146.67(-), 224.24 (-) (no PL) and 449.625(-)(PL 107.2) Note: two meter/220 Mhz. are linked.

Club Net: Every Tuesday night at 8:30 pm on 146.67/224.24.

Club BBS: (410) 665-7646 (min. 2400 baud)

Club Voice Mail/Info: (410) HAMTALK

Hamfests: Greater Baltimore Hamboree & Computerfest/Maryland State ARRL Convention information: (410) HAM-FEST or (800) HAM-FEST.

Mailing: BARC, Inc.; P.O. BOX 120, Reisterstown MD 21136

Well, the final count is not in, but it appears that the 24th annual Greater Baltimore Hamboree & Computerfest and ARRL Maryland State Convention was a record-setting event for the club. Sorry, no final figures to report at this time, but we can say that the attendance this year was better than last year's 18,000 attendees.

Vendors filled the halls this year, with no room and no tables left unsold. And tailgating (both indoor and outdoor) was sold out before the gates opened at 8:00 am Saturday morning. And most importantly, a good time was had by all.

There was something for everyone, from the latest new high-tech gizmos to the used boat anchor which was just waiting for that spot in someone's trunk. The ARRL was well represented, with speakers from the national and division level to complement the local League contingent at the convention. And we even had some television coverage, with WBAL Channel 11 interviewing a number of Club and League officials live and taping additional footage for later use.

The GBH&C/ARRL Convention was more than just a club effort. It takes a lot of people to run a show of that size, and we would like to take this opportunity to thank all the people who helped to make the show such a success. And remember... we hope to see you all at our 25th Anniversary show next year on March 30th and 31st, 1996.

The May program meeting will be held on Wednesday May 17th at 7:30 pm at the school. Bruce, W3UWV, will present a program on "the early days of wireless". If you have seen the March issue of the club newsletter, the Modulator, then you have a preview perhaps of some of the wonders in store for us at the program. See you there.

There has been some talk of going to a regular schedule for transmitter hunts instead of scheduling them at random. The arrangements have not been finalized, but the third Sunday of each month is a possibility. If this schedule is adopted, then there should be a hunt on Sunday May 21st. Stay tuned to the club net for current information.

.... de N3IVO /Rosie

GOODARD, Continued from page 33

sion in progress) as well as over the club repeater on 146.835 MHz FM.

ARRL FIELD DAY

Field Day preparations are in full swing. FD will be held at the Goddard Visitor Center on Soil Conservation Service Road. If you would like to join us, contact Vikki at (301) 249-2609.

CLUB ELECTIONS

Elections will be coming up this month at GARC and I would like to take this opportunity to thank all of the officers and members of the board of directors for their efforts this last year.

Happy Mothers' Day to all!
Vikki, KA3PVS



Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

Meetings: 4th Wednesday of each month (except November & December) 7:30pm at 384 Main Street, Laurel Md.

Social: 2nd Wednesday of each month, except December (Call for directions).

Nets: 1st & 3rd & 5th Wednesdays, 8:30pm, on 147.225+, no tone.

Mail: P. O. Box 3039, Laurel, MD 20709-0039

Exams: 3rd Saturday of each month, 10:00am, at Maryland Radio Center, Laurel, MD.

Information: Jim/WI3N (301)725-6829 or Pud/W3DQI (301)498-6293.

VE EXAMS AT NEW LOCATION!

The monthly LARC VE exams are now being conducted at 384 Main Street, Laurel, on the 3rd Saturday of each month (except Nov and Dec). After many good years at the Maryland Radio Center, the LARC has decided to utilize the "club-house" facilities for its monthly exam sessions. Jerry Johnson, MRC, has very graciously allowed the LARC to use the MRC facility for many years and we all want to say a big THANKS ! for his longstanding support to the Laurel Club and its VE team. The new exam location is the "little white house" next door to the Citizens Bank at the corner of Main St and Fourth St in Laurel. Parking is available in the rear.

LAUREL VEC FILES ELECTRONICALLY

Bob/WB3KXJ, Laurel VEC, has begun to file electronically the results from all the cooperating VEs. So far, the results from the FCC in expediting new licenses are encouraging.

COMMUNITY EVENTS

On 22 Apr, the LARC will provide communications for the 10K run being sponsored by the

Laurel Rescue Squad/Health Fair. On 7 May, the LARC will conduct a Special Event from the Montpelier Festival, as well as provide communications for the Festival sponsors. Look for the "Special Event" announcement in QST and CQ magazines.

At the March club meeting, Bob Bradt/K2EB, from the Maryland Mobileers, gave a very interesting talk about his experience operating QRP. To say the least, we were all very impressed. Thanks Bob!

73 de Roger/N3MIJ



The Maryland Apple Dumpling Radio Amateur Society, Inc.

Meetings: 2nd and 4th Thursdays - 7:00 P.M. NBC Building - WKYS Conference Room, 4001 Nebraska Avenue, Washington, DC.

Nets: 1st and 3rd Thursdays at 8:30 P.M. on 145.45 MHz.

Repeaters: 444.100 PL-2/449.100 MHz, 145.45/144.85 MHz.

Mailing: P. O. Box 2468, Wheaton, MD 20902

Exams: 3rd Saturday of each month, 10:00am, at Maryland Radio Center, Laurel, MD.

Information: Hani Raad - AA3EI (202) 223-3925, Larry Ziecheck - N3GKZ (301) 984-6113, Jean Blacik - N3PLC (301) 984-6113.

Bill Howard - WB3V, ARRL MDC Section Manager, spoke at our March 9th club meeting. His subject was "ARRL and MDC Section Activities". Bill was a wonderful and interesting speaker and we want to thank him for his presentation to the club.

"Field Day Introduction" was the topic of our second meeting in March. Scott Standiford - W3YTW, who is a long standing member of MADRAS, gave the presentation. Since Field Day '95 is only a month away one can never start preparing too soon.

MADRAS will once again operate Field Day '95 from the Richmond Shopping Center parking lot on the corner of Coakley Circle and Parklawn Drive in Rockville, Maryland. We welcome anyone who is interested in participating in Field Day with our club. If you want to spend a few hours making contacts by either phone or CW, please give us a call. Field Day will take place on June 24th and 25th, and we will start making up our schedule for operating during the month of May. So if you are interested in joining MADRAS for this event you can contact Jean Blacik -N3PLC at 301-984-6113.

If you have the opportunity to catch our May 11th meeting we will have a presentation on Slow Scan Television.

73's Jean-N3PIC



The Maryland Mobileers Amateur Radio Club

Well, it's about time spring got here! Field day and Dayton are just around the corner. John Barbour, N3BTM, is heading up the plans for the Armed Forces day Special Event Station on board the USS Torsk submarine in Baltimore. The Tech committee has been busy replacing and upgrading parts to the 146.805 repeater. Remember, these volunteers spend a lot of their own evenings at odd hours doing maintenance that the rest of us reap the benefits of.

The club camping trip is tentative scheduled for June at Harper's Ferry. Contact me if you are planning on going. I also still have a good supply of club hats available, so don't wait to buy yours for the summer. Ken, N3OPI, is getting all the loose ends together for another QRP Field Day at Downs Park. If you haven't signed up for a station yet, contact him for what's available.

73's, Bruce, AA3KR



Mount Vernon Amateur Radio Club

Meetings: Second Thursday of each month, 7:30 p.m. (except December) Mt. Vernon Governmental Center 2511 Parker's Lane, Alexandria, VA 22308.

Nets: Every Tuesday at 9:00 p.m. Starts on 2 meters then moves to 10 meters on 28.408.

Repeater: WD4PDP 146.055 input / 146.655 output.

Mailing: Mt. Vernon Amateur Radio Club (MVARC) c/o Joe Salemi KR4CZ, P.O. Box 7234, Alexandria, VA 22307.

Information: John KI4HK, (703) 780-2882 or Julie KD4WSZ, (703) 799-9466, Packet 145.650 KD4LST-1.

MVARC Meeting Highlights

At the March meeting, Mike Martin, N3RWF gave an outstanding and interesting presentation about his work for PEPCO troubleshooting RFI complaints against the commercial power distribution system. Some very entertaining stories and good technical advice too (see Mike's RFI troubleshooting tips later in the newsletter). I know some of us were jealous that he has all that fun and gets paid for it too. Thanks to Mike for one of our best programs!

At our March meeting we learned of a great new opportunity for public service in cooperation with the Coast Guard station in Alexandria — volunteer operation of their MARS station to work phone patch and slow scan TV traffic for our servicemen away from home. What more rewarding public service can there be! Call Glen Bilger, W4OCC (703-960-2956) for info or to sign up.

We extend a warm welcome to our guests; Mary Frazer, Walt Keith and Mike Martin

Continued next page

(N3RWF). We look forward to seeing you at our next meeting.

QRP A Success!

On Saturday, April 1, 1995 (1600Z to 2400Z) The Northern California QRP club sponsored "Spring QRP To The Field." The event took place at Lee District Park. Thanks to all who came by to operate and visit, we look forward to doing it again next year. A big thanks to Steve, WB4EEA and Frank AA4ZS for getting this idea off the ground.

Happenings

Thanks to Dale, KE4ALX our first breakfast meeting was a HIT! As it stands, we are planning to make this a monthly event. Please plan on attending on the fourth Saturday of each month. We meet at Denny's located at the intersections of route 1 and Lockheed Blvd, Alexandria, VA. For further information contact Dale @ (703) 960-4463. Hope to see you there.

Take care and 73.....Chris KD4LST



National Capitol DX Association

Meetings: Feb, Apr, Jun, Oct and Dec. at a member's home. Contact the Secretary (Rick Murphy, WA1SPT) for details.

Nets: Every Sunday at 8:30 PM on the 147.000 repeater. All are welcome!

Information: Brian Bayus-N1KCE (703) 280-2637 or Leo Boberschmidt-KA3TGY (301) 946-3738 or N1KCE on the Local DX Cluster or N1KCE@KF4TE.VA.USA.NA.

The NCDXA meeting held on Saturday, April 22 1995 at the home of Jeff-WV3B and Becky Strandburg in Silver Spring, Maryland was a great success. We all thank them both for their hospitality and especially Becky for letting us join her in celebrating her birthday.

NCDXA Members have been seeking out what little rare DX there is to find under these less than great conditions. With the 1994-1995 DX season almost over, we will now find out who the really intrepid DXers are.

A number of NCDXA Members continue their efforts to glean the 5BDXCC Award. However, those of us who need a "few" more on 80 Meters, may have to wait until next Fall to complete their work.

So now is the time to think about refurbishing the existing antennas and the installation of new ones at the QTH and sorting through the QSL cards to send them in for credit for the work already done.

The NCDXA donation to the South Georgia (VP8SGP) DXpedition has been gratefully acknowledged. We hope that we have occasion to support other operations of equal caliber.

We are always looking for new Dxers to join the group and all are welcome, even indeed, and especially those of you who are new to DX and are just getting started.

Your interest is the most important thing. All of us were "beginners" once, and for some of us that was not too long ago.

So, if you would like to know more about NCDXA, please feel free to give me or one of the others listed above a call. Better yet, join us on the net Sunday nights at 8:30 PM on the 147.000 repeater. Leo will show you how entertaining and fun DX and DXers can be.

More on the June meeting in next month's column. Until then.....

73 and Good DX

Brian Bayus-N1KCE
President



Northern Virginia FM Association

Meetings: Fall, Winter & Spring

Nets: NVFMA Bulletin, Wed, 8 PM, 146.79.

National Capitol ARES, Sun, 9 PM, 146.91.

Equipment Clinic, 1st Wed of the month, 7:30 PM, 146.79.

Repeaters: 52.37/53.37, 146.19/146.79, 146.31/146.91, 222.50/224.10 Xlink, 222.74/224.34, 449.75/444.75, 1272.1/1292.1.

Membership Info: Ann /KD4GSU, (703) 481-1458.

Mailing Address: NVFMA, P.O. Box 486, McLean, VA 22101.

As a result of the last NVFMA Board meeting, the NVFMA Board is pleased to announce the following as newly elected officers of the NVFMA:

President: Mike Ryan/KB4CVL

Vice-Pres: Rick van Doren/KB4NRU

Secretary: Ann Herlich/KD4GSU

Treasurer: Gil Herlich/K7O4

Congratulations and good luck for the new year!

The interference problems on the NVFMA 440 machine have been identified, and the responsible parties have been notified. Two 800 MHZ machines were identified as the source of the problems. Initial cooperation has been received, however a date and time of rectification has not been set. We are hopeful that the problems will be taken care of very soon.

Mike/KB4CVL, President of the NVFMA, is looking into the possibility of inviting the Kantronics folks to the Northern Virginia area to present a "digital seminar".

The NVFMA is currently seeking qualified technical individuals who would like to assist on technical matters related to the operation of the

NVFMA repeater family. If interested, and are willing to donate the time needed, please contact any of the NVFMA Officers or Board members.

It was also reported that some damage was sustained to the Massie Site in Fairfax, it was reported that some of the 1/4 wave radials had broken off from one of the vertical antennas at the site. Damage was estimated at less than \$100.00 and repairs will be made soon.

Maury/W0HYB, NVFMA Board member, will head up a project to improve the public image and new membership recruitment of the NVFMA.

New NVFMA Newsletter Contest

The NVFMA Board also voted to approve the creation of a official NVFMA newsletter! The newsletter, now named the "NVFMA Quarterly", will initially be sent out to all NVFMA members in June, prior to the general membership meeting. As noted before, Scott/KE4HCT, NVFMA Board member, will head up the project as the newsletter editor and is quite enthusiastic about the project. The second mailing will be in August or September. A contest will also be held to determine a permanent name for the NVFMA newsletter. The winning name will be selected by the NVFMA Board and presented a first place prize of a Kantronics KPC-3 with GPS mode, at the October general membership meeting! In order to participate in this contest you must be a NVFMA member and submit no more than 3 entries. So, if you're not a NVFMA member...become one soon and submit your choices! The contest will officially begin on May 1, 1995 and the last entries must be postmarked no later than July 31, 1995. Go ahead and try your luck! Send all entries to the NVFMA, P.O. Box 486, McLean, VA 22101. Attention: Newsletter Editor - KE4HCT. Don't hesitate! Take a moment now and send us your newsletter name!

For further information on becoming a NVFMA member, tune into the NVFMA Bulletin, Wednesday night @ 8:00 PM, on 146.79 Mhz!

73 de Scott/KE4HCT



Ole Virginia Hams Amateur Radio Club, Inc.

Meetings: Third Monday of the Month (except November), 8:00pm, NOVEC Bldg., 10323 Lomond Dr., Manassas, Va.

Repeaters: WA4FPM 146.970 & 224.660 (linked).

Packet Node: (OVH) 145.030 and 223.540
Bulletin: Every Thursday on the WA4FPM Rptrs at 8:00pm, includes NEWSLINE

Club Info: Harry Vorhauer - W4PVA (703)-369-6050

Mailing address: Ole Va Hams ARC, P.O. Box 1255 Manassas, Va. 22110.

OVH has a new membership chairman. He is Chuck Ahalt (KE4JWY). He can be reached at 703-754-0282 regarding becoming a member of the Ole VA. Hams ARC. At the March OVH meeting, Sam/WB4FGS presented a program about the Prince William County Government communications system and capabilities. (Don't feel bad, I missed it too.) I hear it was good. The club sends this public thank you to Sam! Hopefully we'll continue to have interesting programs at the meetings and perhaps encourage your membership and participation in the Ole Virginia Hams Amateur Radio club.

Welcome to new club members Warren/N4MWU, Andrew/WA2ONG, and Joel/KC4MHT. Great, that makes three new pairs of hands to help out with the OVH 1995 Hamfest! Of course the new guys have to be on the fairgrounds bathroom cleanup crew! Just kidding guys, you can empty trash cans after the hamfest if you prefer that...

The OVH education committee now consists of Charlie Dale (WA4YGI) and Ervin Whalen (KD4DFB). Call Charlie at 703-361-3091 or Ervin at 703-335-1029 regarding upcoming OVH training classes. A No Code Technician class

began on April 4th, and a Code Practice class began on April 6th at Stonewall Jackson High School in Manassas. The classes will continue weekly until June.

The Ole Virginia Hams Hamfest is Sunday June 4, 1995. Look for the flyer in Autocall for more information. Special note regarding the hamfest this year: Tailgaters will be allowed entry to the fairground tailgate area Saturday night June 3rd IF they CHECK IN at the fairgrounds BEFORE 11PM. The gates will be LOCKED at 11PM.

For general OVH hamfest information call Mary Lu (KB4EFP) at 703-369-2877. Dealers call Joe (K4FPT) at 703-257-9719. We look forward to seeing you this year!

OVH is on the way to support our own 440 repeater. Scott (KE4HCT) and his 100 foot tower (near the base of and to the east of Bull Run Mountain) has agreed to be host for the club sponsored machine. The T-MARC coordinated frequency pair is: Receive: 443.325 Transmit: 448.325. The repeater committee has set June 1 as a goal date to commence operation of the repeater.

I'd like to propose a suggestion to the area amateur community regarding ham supported college scholarships. As you know, OVH, FAR, and many member clubs in the area support educational scholarships. These scholarships are just one of the many great things made possible by amateur radio.

Many hams in the mid-Atlantic region are full time working adults by day, and part-time college students at night. I'd say it's fair to guess that within the region, there must be at least several hundred adult hams attending colleges and universities part-time.

I'd also guess that within each FAR affiliated ham club, the vast majority of ham members attending a college or university, are working adults who attend school part-time. Now lets talk tuition. At George Mason University (Fairfax, Va.) for

example, the tuition rate for Virginia residents is currently \$176.50 per credit hour! Most courses are 3 credit hours, that's \$529.50! A typical four year degree consists of over 120 hours. That would cost over \$21,000 at the part-time tuition rate!

I don't need to tell you what books cost, ahhhhhg! Well, you say, what is your point Alan? Recently I contacted FAR regarding the scholarships. My question was: Are any of the FAR administered scholarships available to part-time students? All scholarships that I've heard about are only available to full-time students.

FAR Vice-President Hugh Turnbull/W3ABC, kindly responded to my inquiry via Internet. He said that current award regulations require enrollment or acceptance for enrollment to pursue a full-time course of studies. He said that the requirements for all but 2 of the 55 scholarships administered by FAR are prescribed by the donors.

So here is my idea: Perhaps its time that we, the members of the amateur community, our associated clubs, FAR, and current and prospective scholarship donors; consider making some scholarships available to part-time students who are hams in our community.

We, as hams, should be proud that we can help fellow hams through the many existing scholarships. I merely suggest that perhaps we can help even more of your friends, neighbors, and ham club members by making some scholarships available to part-time students as well. If you agree, perhaps your club membership will also, It never hurts to ask!

I'd be interested in hearing your comments about this. I'll present any comments I get to the OVH club membership and to FAR. I can be contacted via packet at KD4KBX @N4WJN. NOVA.VA.NA.USA, or via Internet at rmassie@gmu.edu, or via America Online at AlanHam@aol.com.

Submitted for OVH by: Alan KD4KBX



Southern Maryland Amateur Radio Club

Meetings: 2nd Friday of each month at 1930 at the PG County Police, Clinton Station, 6707 Groverton Drive, Clinton, Maryland.

Nets: Tuesday at 2000 on 147.15+ Repeater; Wednesday at 2000 on 1.865 (\pm QRM); Thursday at 2000 on 28.447 USB.

Repeater: WA3YUV/R 147.15+, Cheltenham, Md. Autopatch to 911.

Mailing Address: P.O. Box 273, Cheltenham, Md, 20623

Information: Vic (WA3YUV) & Linda (KA3VNI), (301) 888-1388

As you will recall, our March club meeting was rather unique wherein we had a "mini-hamfest" for the benefit of the repeater fund. Everyone seemed to have a good time and a lot of equipment changed hands. In response to a number of requests to do it again, we will do just that at our May meeting, scheduled for May 12th. Bring in that unneeded piece of equipment and donate it to the club's repeater fund. As we did in March, there will be wall space available for anyone (that's anyone - not just SMARC members) who would like to set up their own items for sale. The bargain rate for this wall space is just \$5. A short business meeting will be held from 8:00 - 8:30 PM to be followed by the open equipment sales until . . . whenever. Contact Ray, WI3A, at 301-894-0606 for reservations.

Field Day is coming up soon. Several members have expressed interest in having a club event again this year. We will not be able to use the previous site so any ideas for locations and activities during this event would be greatly appreciated. Give Ray a call with any suggestions.

The SMARC public service activities have been quite active lately. Members provided much needed communication services for the MS

Walkathon on April 1st and the March of Dimes event in Waldorf on April 30th. A special thanks to all of you that participated in these events, and to Ray, WI3A, for coordinating the participants. If you have not done this before, jump into the next one. You will find that this is a real worthwhile and satisfying aspect of Amateur Radio.

SMARC is planning a special event at Cobb Island in October, commemorating the first voice transmission. Keep tuned for details as they develop.

Back by popular demand are the SMARC training courses. We are now accepting registration for our upcoming Novice, Technician, and now, General classes to be held in the fall. Give Ray, WI3A a call on the repeater or at the above number for additional information.

Don't forget our weekly nets on 180M, 10M, and 2M. See you next month.

73, Greg - WA3FSC



Sterling Park Amateur Radio Club

Meetings: 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.

Mailing: Call Box 599, Sterling, VA 20167.

Information: Forrest Snyder, N4UTY (Pres.)
430-4149, W. T. "Red" Free, W3FTG (PIO)
709-0896.

Club members laid initial plans for this year's Field Day. We will again operate QRP on battery support. The only undecided question was how many transmitters? Among last year's ops there is no question about using contest software for logging again!!!

Steve Harrison KO0U will again chair the FD planning committee. Operations will be conducted

on the grounds of Park View High School in Sterling.

The 1995 Virginia QSO Party was quite successful by all reports. There seemed to be considerably more activity by out-of-state operators. Several mobiles were heard, WA4PGM, WB4PJW and W3FTG, to name just a few. And SPARC was well represented by N4UTY, K7HMP and K4GEL on QRP and KC4ATU on VHF. Allan, where were you??? Logs are rolling in, and the competition looks to be fierce!

The only sad note to the contest was a report that several of the Central VA Contest Club operators had their logging program "blow up" and trash quite a few QSO records. There is absolutely no truth to the second rumor that one of the other VA clubs planted a bug in the CVCC software to make the playing field level.... Oh yes, conditions weren't all that hot, but what do you expect near the trough of the sunspot cycle? At least everyone sounded like they were having fun.

The application for the club's new station call was mailed near the end of March. Plans are being made to seek issue of a special call when the "vanity" first gate is opened.

Bureau Manager Dick Maylott W4LMJ reported that card receipts continue to be down. In a sense that's good as it means less work for the sorters. But who can say they really wouldn't prefer more DX cards even if it meant more sorting?



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CPA



The Middle Atlantic FM and Repeater Council, Inc.

Meetings: Coordinating Committee (CC) normally meets the last Monday of each month, 19:30, in the OEP conference room of the Prince George's County Emergency Operations Center off Central Avenue. Talk-in on 146.76 or 147.54 simplex.

Address: P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

The T-MARC coordinating committee continues to be busy, with several recent actions, including coordination of the following proposed new repeaters: 442.250 to WA3JGI on Kent Island, Md.; 449.675 to N3ST at Towson, Md.; and 442.400 to AMRAD at Warrenton, Va. At the request of the sponsor, coordinations for N3HIA's 224.480 and 449.075 repeaters east of Baltimore were cancelled.

We previously reported a proposed new 145.390 repeater to KK3L on Big Savage Mountain in western Maryland. Well, that report was premature - the Western Penn Repeater Council objected, so we are looking for an alternate frequency for KK3L's new machine.

The SountEast Repeater Association reported on a proposed new 448.025-in/443.025-out repeater at Wheeling, WV, which is upside-down to N3HTJ's 448.025 repeater near Ellicott City, Md. Although T-MARC did not foresee any severe co-channel problems, we did remind them of the possibility that lock-up problems might occur on rare occasions.

Several other proposed new coordinations from SERA in Va. and WV all appeared to be compatible with operations in our area. Finally, the Voice of America Radio Club has requested that they be placed on the T-MARC "waiting list" for a 2-Meter repeater pair in downtown D.C.

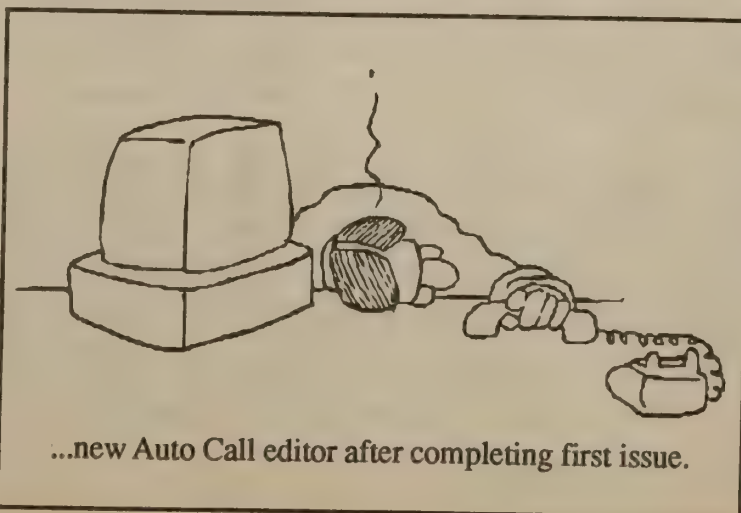
A couple of months ago we discussed "harmful interference". Actually there are 2 types - 'intentional' and 'un-intentional'. 'Un-intentional' interference is the type we are all used to on the H.F. bands, where crowding and the resulting "interference" is normal and accepted - we all learn to live with it. '

Intentional interference is more commonly known as 'malicious interference', and is the only type of interference that the F.C.C. is interested in. The problem is that before action can be taken you have to prove that the operator of the offending station actually intended to interfere with your communications. Most interference is purely accidental, so think about the type of interference you might be experiencing before you automatically accuse another station of causing "malicious interference".

Along with the upgrade of our computer system, and as a result of some of the policy revisions which were adopted by the membership at the February Annual Meeting, many of T-MARC's forms have been revised and simplified.

If any sponsors need to up-date or revise their coordinations, contact our secretary at the address shown above to get a set of the new forms. Likewise, new applicants should use the new forms (the old ones are still acceptable, but the new ones are considerably simpler).

That's it for now - have a great Spring!
73, Gary, W3DTN, T-MARC PIO





Green Mountain Repeater Association

Meetings: Board of Directors, Last Monday of each month.

Repeaters: KD3VR-146.61 (Cheverly), K3GXF-146.88 (Greenbelt).

Luncheon: First Saturday of each month at the Fountain Cafe, in the Laurel Shopping Center Mall, US Route 1 (Baltimore Ave.) and Cherry Lane. Starts at 11:30 AM.

Mailing: GMRA, P.O. Box 429, Riverdale, MD 20737

Information: Boyd Nelson - KZ3Z (301) 434-0934

GRMA held its monthly social gathering on Saturday, March 4, 1995. There was a great turnout of members and friends. There is a general consensus of most members to continue to meet at the Laurel Shopping Center Mall.

Following the lunch social, it was decided by the officers and directors to hold a Board of Director's meeting at the business offices of Paul Freirich, W3HFA and 1st VP of GMRA. The meeting room was ideal and offered a perfect atmosphere for a well disciplined and productive outcome.

For the first time in a few years, GMRA has had printed a 24 page booklet containing full information on the two repeaters and the proper uses for members including autopatch access. This booklet also contains the updated bylaws as amended January 11, 1993.

There will be a complete membership package to be mailed out shortly to all members including a letter of introduction and an application for new members. I had the privilege of an invitation to sit in on the meeting and acquire my early membership package. I assure you everyone will enjoy this membership package.

The Board of Directors have decided, after carefully inspecting the two repeater antennas, that replacement is necessary when it is feasibly possible to do so. The estimate is somewhere in the ball park of \$1,000.00. This will come from the treasury resulting from dues or very welcome donations.

I understand that some great people have volunteered free labor to take down the old and install the new antenna system. This is a real plus in my book and I am sure the rest of the members will agree. I am very proud to belong to such a great group of friendly associates. Please come to the next luncheon and bring a friend.

73's Ken Easton N3HLY



Prince George's Wireless Association

Meetings: First working Tuesday of each month, 7:30 PM; American Red Cross bldg., 6206 Belcrest Rd, Hyattsville, MD 20782
Club Station: K3CEZ

Mailing: 4109 Kennedy St., Hyattsville, MD 20781

Information: Frank Holton - WA3ZMW (301) 927-1245

PGWA held its regular monthly meeting on Tuesday, March 7, 1995 at 7:30 P.M. Frank, WA3ZMW brought the meeting to order and read incoming correspondence and announcements of upcoming hamfests.

Kathy, N3QPO briefed members about the Simulated Emergency Test which was scheduled for March 11, 1995 and the role that the Red Cross and other Amateur Radio groups were to play. After the meeting, we had a showing of a video tape displaying various modes of digital communications. Dave, WB3KXL, has graciously volunteered to secure these tapes from ARRL to

show at each month's meeting. This makes for a more interesting meeting, thanks to Dave.

On March 11, 1995 PGWA operated K3CEZ. Its base station is located in the Prince George's Chapter of the American Red Cross building located in Hyattsville, MD. We were participating in the Simulated Emergency Exercise in Maryland and the nearby metropolitan area. This exercise was designed to show how the Red Cross and Amateur Radio groups respond touch an emergency.

Our operators were in touch with various Maryland counties including P.G., Baltimore, Talbot, St. Marys, Anne Arundel, Frederick, Montgomery and Howard. We were in contact with OEP through the help of Jim, N3HPZ and George, KA3KIF. Messages were sent to and taken from the Baltimore ARC, W3FTR, by Nancy, N3IMD.

Dave, WB3KXL, was receiving and sending messages, on ARRL message forms on one our VHF stations and Charles, KA3COT was doing the same on another of our club's VHF consoles. Frank, WA3ZMW and Kenny, N3HLY were monitoring the HF station tuned in to 3.920 Khz on the Maryland Emergency Phone frequency.

Kathy, N3QPO was the shelter site manager at the Frederick Douglas H.S. in the Upper Marlboro area. There was an article in the P.G. Journal newspaper about the exercise given in an interview with Kathy, N3QPO. KA3MWN, Gordon, was also at the shelter site. Everything was coordinated from our end as per the direction of Mrs. Audrey Bell, Mass Care Officer, located in the P.G. Red Cross building. K3CEZ station was in touch with Audrey through in house intercom. Many thanks to all concerned for a job well done.

73's from Ken Easton N3HLY

Remember, the deadline for ALL submissions to Auto Call is the 1st day of the month prior to the month of publication!!



Woodbridge Wireless, Inc.

Meetings: Second Tuesday of each month at Springwoods and Chaucer, Lake Ridge, VA.
Net: Monday nights at 2000 on 147.24 with 224.78 link repeater on 147.24 MHz, 144.99 MHz simplex PL-100 repeater 444.90 MHz, repeater 224.780 MHz, packet lan on 145.07.
Mailing: PO Box 112, Woodbridge, VA 22194
Information: Jim Stearns, KC4ZHQ (703) 670-3480.

The WWI ARC President, Chris KQ4VN, called the general membership meeting to order at the Springwood Community Center in Lake Ridge Tuesday, March 14, 1995 at 7:45 PM. After conducting the Pledge of Allegiance, all present introduced themselves.

A total of 34 persons signed the attendance record out of 156 members. Activity Committee Chairperson, Bob KR4KF, reported on the up and coming scouting activity at the Alexander Henderson Elementary School at Montclair on Wednesday, April 19th. WWI members will assist scouts in learning about amateur radio.

The use of the WWI EOC bus will be used as the training device. The vehicle has HF, VHF, UHF, Cellular, Police, and Fire operating positions.

Primary operating bands for the training will be VHF, UHF and HF, on 80 meters. Each scout will be afforded the opportunity to operate the systems and will be given an overview of amateur radio and its purpose.

A No Code Technician Class is in progress at the Our Lady of Angels Church, route 1, Woodbridge, VA. For more information on the current class or future classes contact Cliff, KO4FM.

Continued next page

A WWI Rabbit Hunt will be held on May 21st. Rules will be promulgated in the Wireloose. Contact the WWI Club for information or check in on the Monday night net..

Ed, N4LJZ presented a presentation on NOAA digital computer weather system. It appears to be a nice package. Follow up on the Montserrat Dxpediton: A team of Woodbridge Wireless members and others operated from Montserrat from March 1st through the 6th, and in the ARRL DX phone contest signing VP2MFM.

They were active on 160-6 meters CW/RTTY before and after the contest. The operators are WB4NFS, WD4KXB, KJ4VG, KA4RRU, KO4FM, WA4PGM, W2HPF, and W4MYA. QSLs via WD4KXB. Word has it that they have a bunch of QSL to write. Preliminary info indicates that they had over 13,000 contacts. More on this later.

73's, WWI FAR Rep., Jim, KC4ZHQ

Amateur Radio Newslne, from page 20

2400 MHZ VICTORY

Some good news for hams who have following the possibility of our service losing part of an important UHF band. On Wednesday March 15th, the National Telecommunications and Information Agency the NTIA released its final recommendations on spectrum reallocation and the agency said that the majority of ham radio operations should remain unchanged.

ARRL Executive Vice President Dave Sumner, K1ZZ said, "In that report they are identifying 2400 to 2402 and 2417 to 2450 Mhz as bands that ought to be identified in order to maintain stability for amateur and part 15 use in that entire frequency range of 2400 to 2450. Those amateurs who are following this proceeding know that we were facing the possible loss of access to spectrum in this range. Now as a result of this preceding it

appears the NTIA is recommending to the FCC not only that amateurs not lose that access, but the entire 50 Mhz range be treated as one contiguous band and that our continued access to that band should be provided for the long term." Dave adds that ham radio is still not out of the woods on this one. There is still a continuing threat to the band from 2300 to 2310 MHz. This says Sumner, will not be resolved until there is some further FCC rule making on the issues at hand.

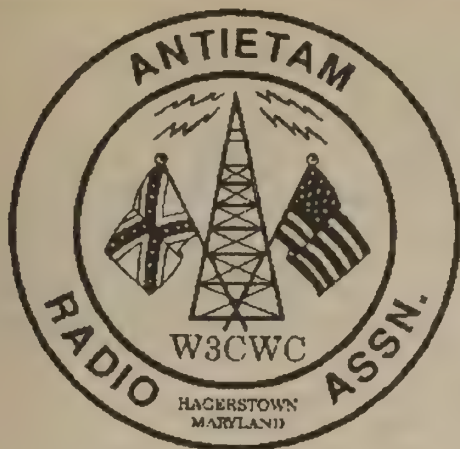
YOUNG HAM OF THE YEAR AWARD

A reminder that nominating period for 1995 "Young Ham of the Year Award" is now open. This award program, now entering its ninth consecutive year, is presented annually to a United States licensed Radio Amateur who is 18 years of age or younger and who has provided outstanding service to the nation, his community or the betterment of the state of the art in communications through the Amateur Radio service.

Any continental United States FCC licensed ham radio operator aged 18 and younger who have used Amateur Radio to significantly contribute to the benefit of the service, to the state of the communications art, to their community or the nation are eligible to be nominated.

Thanks to corporate support from Yaesu USA, the 1995 Young Ham of the Year will receive an expense paid trip to the Huntsville Hamfest where he or she will be presented the award. The winner will also receive a V.I.P. tour of the Marshall Spaceflight Center and Spacecamp courtesy of CQ Magazine.

All nominations must be submitted before June 30th, 1995 on an official application available for a self addressed stamped envelope to the 1995 Young Ham of the Year Award, c/o Newslne, 28197 Robin Avenue, Saugus, California 91350. These nominating applications are also available electronically. You can download them from the ham radio files section on either GENIE or America Online.



Antietam Radio Association

Presents the 1995 Edition of the

MARYLAND-DC QSO PARTY

AUG. 12 1600Z TO 0400Z AUG. 13TH
AND 1600Z TO 2359Z AUG. 13, 1995

AWARDS: PLAQUE to the high scoring MD-DC Station, the top non MD-DC Station, and to the Maryland-DC Club with the high scoring entry! Certificates awarded for all other categories including 10 best MD-DC logs, Best each U.S. State, Canadian Province, DX Country, MD-DC Mobile, best YL entry, high QRP entry from each state. Also to best Novice/Tech entry/state.

THE RULES

1. Non-MDC Stations must work only MDC stations. MDC stations may work anyone.
2. Portables and mobiles that change counties during the test count as a separate station in each new county of operation. Sorry, no packet or repeater QSOs allowed. QSO's part of a regularly scheduled net are not allowed.
3. EXCHANGE: QTH and MAJOR CATEGORY of entry. QTH is County for Maryland Stations, US State, Canadian Province or Country as appropriate for Non-MDC stations. MAJOR Categories are CLUB, QRP, MOBILE, Novice/Tech, and STANDARD. Stations should send the major category that reflects their highest point value.
4. SUGGESTED FREQUENCIES: SSB 3.92 7.23 14.26 21.37 28.38 50.15 146.55 MHZ
CW 3.643 3.701 7.035 7.126 14.04 21.115 28.04 28.115
MHZ CW is suggested on the odd half hours.
Examples 1730 1930 2130 2330 0130 0330 z
5. SCORING: FOR NON-MDC STATIONS - Each MD County + Baltimore City + DC are multipliers (25 possible) FOR MDC STATIONS - The basic 25 as above + each of the other 49 states + Canadian Provinces + 1 for other DX. Multipliers may be claimed once only, they do not repeat on the other bands.
6. QSO POINTS: 10 points for CLUB STATION QSOS (Clubs anywhere for MDC stations). 5 points for Mobile QSOS (Mobiles anywhere for MDC stations). 4 points for QRP or NOVICE/TECH QSOS regardless of mode. 3 points for CW or RTTY QSOS with Standard stations (RTTY & CW count as same mode for scoring purposes). 1 point for any other valid contact (Standard SSB and FM). Highest single point value applies example - contact with a mobile club station is a 10 point QSO.
7. FINALSORE: Add up the QSO POINTS and MULTIPLY by the SUM OF THE MULTIPLIERS.
8. Send logs with S.A.S.E. by September 10th, 1995 to the ANTIETAM RADIO ASSOCIATION P.O.Box 52 Hagerstown, MD 21741-0052

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Non-commercial advertising of Amateur associated equipment is available to subscribers of AUTO-CALL at the rate of 3 cents per word with a \$1.00 minimum. Commercial vendors and non-subscriber rate is 17 cents per word with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Estate sales for Widows assistance handled by a FAR club will be published without cost.

Your full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be prepaid. Ads that will be running for longer than 1 month must be accompanied by a letter stating the length that the ad is to be run. Since no effort is made to investigate advertisers, no warranty can be applied. Send all commercial and non-commercial advertising and Shack Sales to:

John Queen, Auto-Call Editor
755 Woodland Way, Owings, MD 20736
(301) 855-0198

Copy **MUST** be received by the 1st day of the month prior to the month of publication.

FOR SALE: Complete QTH: 3 BR, 2 story colonial with garage and office/shack. 50 foot tower/TA-36. High location in Laurel, MD. May sell tower/ant separately. Ed/N3CW (301) 490-4890. [5/95]

FOR SALE: Astatic Microphone D104 with "G" stand. Turner mike, model M+2 in the box, two Microcom 1200 BPS modems, standalone models with power supplies, Old Pickett slide rule with leather case and K and E manual, Old Railroad telegraph sounders, C64 computer, C128 computer, 1541 and FSD-2 disk drives, Heathkit HW7 QRP rig and power supply, Heathkit SWR bridge and a Multiband wire antenna with traps and feedline. If not sold, these articles will be at the Frederick Hamfest on Father's Day, June 10, 1995. Bernie/W3CA0, (301) 271-2714. [5/95]

WANTED: HF Multi-band Beam or Vertical antenna. Will remove from your tower for the antenna. Also looking for Yaesu FT-767GX 6-meter and 440 modules. Call John/N5SJZ (301) 805-5761. [7/95]

WANTED: Manual or schematic for Drake TR-2 and Kenwood TR-2200A 2m FM transceivers. I am trying to repair one of each, and any information would be greatly appreciated. I will pay copying and postage as required. Phone (301) 916-9182 or write to: Henrik Johansen, P.O. Box 7281, Gaithersburg, MD, 20898-7281. [5/95]

WANTED: HyGain 18HT antenna. John Shepherd, (703) 280-1017 FX VA. [5/95]

FOR SALE: Mosley CL-33 Tri-Bander antenna with 10 foot round pole, Cornell Dubilier CD 45 Antenna rotor, one Rohn 25G tower section, one Rohn 25 AG top section, base plate and building mount, disassembled - \$200.00. Joe Carretta, K4GIM, Springfield, VA (703) 451-2521 [6/95]

FOR SALE: Sacrafice Galaxy GT 550-A transceiver - 500 watts PEP with spare finals \$250.00. Astro Cubic Solid State Transceiver - 100 watts covers 160 to 10 meters with matching P.S. only \$275.00. Milt Levy W5QJT. 2042 Australia Way West #8M, Clearwater, FL 34623. (813) 791-4730 [5/95]

SELLING OUT: Asking prices negotiable. KENWOOD TS 850S/AT Transceiver, still under warranty; KENWOOD PS 53 power supply, 22 amp; AMERITRON AL-80A 1000 Watt SSB PEP Linear Amplifier; MFJ Versa Tuner Model MFJ-962C 1500 Watt; IBM compatible computer, two disk drives, 1988 vintage with NAP monitor, ideal for packet. Call for details. Carl/W4ACM (703) 360-4373 [5/95]

WANTED: Heathkit manual "Understanding and Using Your Oscilloscope" and the "Technical Application Kit", model EF2 that was provided with it. G. Rose, 524 N. Quaker Lane, Alexandria, VA 22304-1827-07 (703) 370-1880 or (703) 370-9049 fax. [5/95]

WANTED: Johnson Ranger snap-on crystal cover. Ceramic chimney for 4CX250B. Original instruction manual for TMC GPT-10K. AM transmitter parts. 810 tube. Modulation transformer. Chuck, P.O. Box 934, Dahlgren, VA 22448. [6/95]

WANTED for museum: Apple-1 and other pre-1980 microcomputers, also early microcomputer journals, newsletters and advertising literature. (703) 231-6478 or (703) 763-2321. [11/95]

WORK WANTED: Native Ukrainian wants to be your Tech Rep in Ukraine or Eastern Europe. Fluent in four languages, BSE degree, highly skilled in IBM/DOS hardware, software, networking, LF to UHF communications, antenna and transceiver design. Training or temporary work in USA to learn your products ok. KC1VF/US5WE (703) 231-6478, P.O. Box 2490, Christiansburg, VA 24068 [6/95]

WANTED: Drake L4-B amplifier. John Unger, W3GOI, P.O. Box 95, Hamilton, VA 22068. (703) 338-4620 home, or (703) 648-6790 work. [5/95]

FOR SALE: Icom IC-745 HF Xcvr 160-10 with general coverage receiver in absolutely mint condition Includes IC-35 internal power supply. Complete with original box and manual. \$650.00 firm. Contact John/KAØSEY at (703) 855-0198 home, or (703) 305-8676 work. [5/95]

The **AMATEUR RADIO NEWS SERVICE** is an organization of publishers and editors of Amateur Radio newsletters and members engaged in public relations. Its purpose is to assist editors in any way possible. For information, write to Lee Knirko, W9MOL, Amateur Radio News Service, 833 Park Plaine, Parke Ridge, IL 60067.

[SWP]

Mid-Atlantic Radio Club. Become a part of one of the country's fastest growing vintage radio clubs. The Mid-Atlantic Antique Radio Club is an active group of radio collectors, restorers and historians. For a sample newsletter, write to Joe Koester at 249 Spring Gap South, Laurel, MD 20707. Phone (301) 725-4229.

[SWP]

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[5/95]

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[5/95]

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All ads must be paid in advance.

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Deadline for copy is the 1st of the month preceding the publication date. Shack sales will NOT be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the full name of the advertiser. Each word, abbreviation, model number or group of letter/numbers is counted as one word. The entire telephone number - including city, state and zip code is counted as only one word. Remittance for all Shack Sales must accompany each ad.

Noncommercial Shack Sale advertising of amateur associated equipment is available to subscribers of Auto Call at 3¢ per word - with a \$1.00 Minimum. Commercial Vendors and nonsubscribers rate is 17¢ per word with a \$5.50 minimum.

Special Headings or special spacing may be used (e.g., one item per line) but such ads are charged at a column inch rate - \$1.00 per inch for noncommercial ads, \$5.50 per inch for commercial vendors and nonsubscribers.

Commercial vendors should include the ad size and length of run (e.g. 1 year, 6 times, etc.) on company letterhead

and it must be signed by the person authorizing payment for the ad. Full name and address must be provided with each ad but need not be published. Payment should be included when the ad is submitted for publication. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

DISPLAY ADS are "Boxed" and may contain artwork or photographs. Requests for specific placement in the magazine will be honored if practical but cannot be guaranteed. Display ads are charged according to size as shown below, based on camera ready copy. All advertising must be prepaid for at least the current month.

Rates Per Issue

Ad Size	1 Year	6 Times	3 Times	1 Time
Full	\$75.00	\$90.00	\$100.00	\$105.00
1/2	55.00	65.00	71.00	75.00
1/3	40.00	46.00	51.00	54.00
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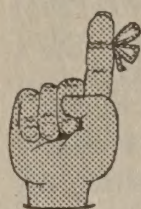
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Deadline: The deadline for ALL submissions to *Auto Call* is the 1st day of the month prior to the month of publication. When submitting via regular mail, time your mailing to ensure delivery by the 1st of the month.

Submitting Material to *Auto Call*

Submissions for *Auto Call* will be accepted in the following formats:



Electronically: Submissions are accepted in any of four ways: Via the MRC BBS at (301) 725-8397, E-mail message or upload file to AUTOCALL. Via the W3VB BBS at (410) 312-2219, E-mail message or upload file to KAØSEY. Via American On Line, E-mail message to screen name JohnQueen. Via Internet, E-mail message to JohnQueen@AOL.COM.



Computer Disk: Submissions are accepted on 3.5" or 5.25" computer disk, in either Macintosh or MS-DOS format, using Word, WordPerfect, or standard ASCII text files. Write your name, telephone number, and club name on the disk. Submit graphic files (club logos, etc) in an EPS or TIFF format. Please verify the readability of your computer files before sending. If you want your computer disk returned immediately, include a SASE envelope with .32 postage. Otherwise, disks will be returned only in person at FAR meetings.



Regular Mail: Mail typewritten or computer generated hard copy to: John Queen, Editor, *Auto Call* Magazine, 755 Woodland Way, Owings, MD 20736. Hard copy will be scanned and reformatted to preserve uniformity of style in the magazine. Ensure that your printed material is dark enough for scanning.

Preparing Material for Submission

Club Columns: Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page (50 lines at 12 words per line) not including the space taken up by headings, photos, etc. Type all headers, byline and body text flush left with no margins. Single space after periods, indent paragraphs .25" and double space to begin a new paragraph. Fonts are not a consideration, but please prepare all copy in 12 point type.

Hamfests/Events: Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions will only be accepted in a PageMaker format for Macintosh, and only when all fonts used in the preparation of the file are also submitted.

Photographs: The editor will select the best photograph submitted for the cover each month. Photographs should depict club members, club stations, or amateur radio related events that are current and noteworthy. Clubs may also submit photographs for inclusion with their club column. Photographs will be used when space permits. Either black and white or color photos can be used as long as the contrast is good. For each photograph submitted, write your name, telephone number, and club name, along with a description of the photograph on a small piece of paper. Carefully tape this paper on the back of the photograph. Do not write on the back of your photo as writing tends to blend through when scanned. If you want your photos returned immediately, include a SASE envelope with sufficient postage. Otherwise, photos will be returned only in person at FAR meetings.



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The American Radio Relay League
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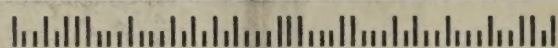
Area Club Meetings - May 1995

<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
	1	2 Antietam PG Wireless	3 BARC	4 Anne Arundel	5 Springfield	6
7	8	9 Fauquier Woodbridge	10 So. Patuxent	11 Mt. Vernon Mid-Atlantic MADRAS	12 Southern MD	13
14	15 OVHA Sterling Carroll Co.	16 Antietam	17 BARC QCWA	18 Anne Arundel	19	20
21	22	23 Columbia	24 Goddard Laurel	25 MADRAS	26 Central MD	27
28	29 T-MARC Green Mt.	30	31	 <p>Don't forget Mother's Day on May 14th!</p>		



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